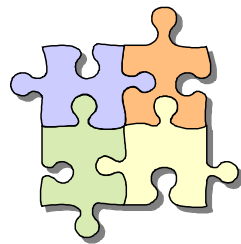**HELLENIC REPUBLIC**

UNIVERSITY OF THE AEGEAN

SCHOOL OF HUMANITIES

LEARNING TECHNOLOGY & EDUCATIONAL ENGINEERING LABORATORY (LTEE)

*Professor
Georgios Fessakis*

CURRICULUM VITAE -

**RHODES, GREECE
JUL 2023**

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1. PERSONAL INFORMATION

Surname:	Fesakis[1]
First name:	Georgios
Fathers' name:	Nikolaos Fesakis
Mothers' name:	Tsampika Fesakis
Birthdate:	18 August 1972
Place of birth:	Rhodes, Dodecanese, Greece
Home address:	Giamali Filimona 3, 85133, Rhodes
Nationality:	Greek
Email:	gfesakis@aegean.gr
WWW site URL:	http://ltee.aegean.gr/gfesakis
Scholar:	https://scholar.google.com/citations?user=ufjbYYwAAAAJ
Orcid	https://orcid.org/0000-0002-1721-6655
Researchgate:	https://www.researchgate.net/profile/Georgios_Fesakis
Scopus:	https://www.scopus.com/authid/detail.uri?authorId=6507028906
Semanticscholar:	https://www.semanticscholar.org/search?q="Georgios%20Fesakis"

2. CURRENT PROFESSIONAL POSITION

Professor at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design, since August 18th, 2020.

Work Address: Dimokratias 1, TK: 85132, Rhodes, Greece.

Tel.: (+30) 2241 0 99151

3. EDUCATION

1990-1994	<u>B.Sc. Informatics,</u> National & Kapodistrian University of Athens/Department of Informatics and Telecommunications (http://di.uoa.gr/eng), Greece. Thesis: Evaluation of Petri-nets processing software. Supervisor: Assistant Professor Aphrodite TSALGATIDOU.
1994-1996:	<u>M.Sc. Informatics: "Advanced Informatics Systems",</u> National & Kapodistrian University of Athens/Department of Informatics and

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[1] My surname "Φεσάκης" in Greek is officially translated as "Fesakis", which is pronounced "Fezakis" in English so use also the translation "Fessakis" in many publications.

	Telecommunications, Greece. Two years - full time.
	Master's Thesis: Comparison of neural networks, simulated annealing, and constrained programming based computational approaches for the general problem of optimal set portioning.
	Supervisor: Professor Constantine HALATSIS
	Graduated with honors. Performance grant by State Scholarships Foundation.
1999:	Degree of Pedagogical Studies (Education) SELETE/PATES at Patras Greece (Currently is called the School of Pedagogical and Technological Education - ASPETE).
	Six-month, full time, intensive, program with courses and practice in real schools for teacher certification of graduates.
	Graduated with honors.
1998-2003:	PhD Thesis: Computer Science Education/ICT in Education. University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design.
	Title of doctoral dissertation: «Educational exploitation of computational modeling environments and especially of the Relational Database Management Systems».
	Supervisors: Prof. Angelique DIMITRACOPOULOU (University of the Aegean), Prof. Fragiskos KALAVASSIS (University of the Aegean), Prof. Constantine HALATSIS (National & Kapodistrian University of Athens).
	Members of the assessment committee: Prof. Aristotelis RAPTIS (U. of Athens), Prof. Maria GREGORIADOU (U. of Athens), Associate Prof. Vassilis KOMIS (U. of Patras), Assistant Prof. Sonia KAFOUSSI (U. of the Aegean).
	Graduated with honors.

4. SCHOLARSHIPS - GRANTS

1990:	Grant by Rotary Club of Rhodes for the maximum score, in the nationwide (Pan-Hellenic) University entrance exams, among students from Dodecanese.
1996:	Performance scholarship by the State Scholarships Foundation for the maximum score among graduates of the Informatics masters' program "Advanced Informatics Systems" of the National & Kapodistrian University of Athens/Department of Informatics and Telecommunications.

5. ACADEMIC AND TEACHING EXPERIENCE

5.I Teaching in Greek Public Secondary Education

1998-2007	Teaching Computer Science and Information Technology Literacy classes in the context of the "Cross thematic curriculum framework for compulsory education" for the secondary education of Greek Ministry of Education.

5.II Academic experience

5.II.1 UNDERGRADUATE COURSES

2004-2005	"New technologies in education" for in service kindergarten teachers in the context of "Academic and professional development for kindergarten teachers" of the Greek Ministry of Education implemented by the University of the Aegean.
2004-2005	"Basic computer software applications I & II" as adjunct Lecturer at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design.
2005-2006	Adjunct Lecturer at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design Courses taught: • "Basic computer software applications I & II" • "ICT Didactics" • "Design and development of ICT applications and products for Mathematics Education"
2005-2011	I taught at "Constantin Carathéodory" sabbatical program for in service kindergarten teachers of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design the courses: • "New technologies and multimedia for education" • "Basic computer software applications I & II"
2006-2007	Adjunct Lecturer at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught: • "Basic computer software applications I & II" • "Learning activities for Geometry Concepts" • "Design and development of ICT applications and products for Mathematics Education"

2007-2008	Lecturer at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught in fall semester: • "Basic computer software applications I" • "Design and development of network ICT applications and services for Education" Courses taught in spring semester: • "Basic computer software applications II" • "Design and development of ICT applications and products for Mathematics Education"
2008-2009 & 2009-2010	Lecturer at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught in fall semester: • "Applied Didactics of ICT (Practice of teaching in real schools for future teachers)" • "Design and development of network ICT applications and services for Education" Courses taught in spring semester: • "Design and development of network ICT applications and products for Mathematics Education" • "Learning and ICT (research course)"
2010-2011 & 2011-2012	Lecturer at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught in fall semester: • "Applied Didactics of ICT (Practice of teaching in real schools for future teachers)" • Introduction to the educational applications of ICT Courses taught in spring semester: • "Design and development of ICT applications and products for Mathematics Education" • "Learning and ICT (research course)"
2012-2016	Teaching at the one-year program of Pedagogical Training of the School of PEdagogical and Technological Education (ASPETE) – Rhodes' Branch. Courses: • Educational Technology – Multimedia • Pedagogical Applications of Electronic Computers
2012-2016	Assistant Professor at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught in fall semester: • "Applied Didactics of ICT (Practice of teaching in real schools for

	future teachers)” • Introduction to the educational applications of ICT Courses taught in spring semester: • "Design and development of ICT applications and products for Mathematics Education" • "Learning and ICT (research course)"
2016-2019	Associate Professor at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught in fall semester: • "Applied Didactics of ICT (Practice of teaching in real schools for future teachers)" • "Design and development of internet applications for Distance Education (e-learning)" Courses taught in spring semester: • "Design, Development and Assessment of ICT educational applications" • "Learning and ICT (research course)"
2019-2020	Associate Professor at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses taught in fall semester: • "Applied Didactics of ICT (Practice of teaching in real schools for future teachers)" • Introduction to the educational applications of ICT Courses taught in spring semester: • "Design, Development and Assessment of ICT educational applications" • "Design and development of internet applications for Distance Education (e-learning)"
2020-2021 **2021-2022**	Adjunct Academic Staff of the Hellenic Open University for the Computer Science Department. I taught the course: • "Informatics and Education"
2020-Today (*Except during the sabbatical leave 2022-2023)	Professor at the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Courses that will teach in fall semester: • "Applied Didactics of ICT (Practice of teaching in real schools for future teachers)" • "Design and development of internet applications for Distance Education (e-learning)" Courses that will teach in spring semester: • "Design, Development and Assessment of ICT educational applications" • "Computational Thinking and Interdisciplinary Approach in Education"

2020-2021 **2021-2022** **2022-2023**	Adjunct Academic Staff of the Hellenic Open University/Department of Informatics • PLH37-"Informatics in Education"

5.II.2 POSTGRADUATE COURSES

A. Postgraduate Program (M. Ed.) **"Didactics of Mathematics, Science and Information and Communication Technologies in Education: Interdisciplinary Approach"** of the University of the Aegean
(http://www.pse.aegean.gr/dithenet)

2014-Present (*Except during the sabbatical leave 2022-2023)	I am teaching the following courses: a) «Design development and assessment of ICT applications in teaching practice» in collaboration with prof. Vassilis Komis (U. of Patras) b) «Science education research methodology and ICT»

B. Postgraduate Program (M. Ed.) **"Modeling Design and Development Of Educational Units"** of the University of the Aegean
(http://pms-msaem-conference.gr/models/)

2004-2007	I taught the course "Educational facilities design and management" in collaboration with Dr. Manos Konsolas, and Dr. Panagiotis Stamatis
2007-2012	I taught the course "Educational facilities design and management"
2008-2014	I taught the course "Models of ICT integration to educational systems" in collaboration with Dr. Angelique Dimitracopoulou.
2014-2016	I taught the course "ICT in Governing of education institutions and systems" in collaboration with Dr. Georgia Lazakidou
2016-present (*Except during the sabbatical leave 2022-2023)	I am teaching the course "ICT in Governing of education institutions and systems"

C. Postgraduate Program (M. Ed) **"Children's Book and Educational Material"** of the University of the Aegean
(http://www.pse.aegean.gr/pms-pvpy/)

2008-2010	I taught the course "Technology based educational material" in collaboration with Dr. Angelique Dimitracopoulou.
2012-Today (*Except during the sabbatical leave 2022-2023)	Teaching the course "Technology based educational material"

2012-2014	I taught the course "Educational Games" in collaboration with Dr. Chrysanthi Skoumpourdi.
2014-2015	I taught the course "Educational Games" in collaboration with Dr. Anna Varsamou
2015-2018	I taught the course «Educational Games» in collaboration with Dr. Chrysanthi Skoumpourdi

D. Postgraduate Program (M. Ed.) **"New forms of Education and Learning"** of the University of the Aegean
(https://nfel.aegean.gr)

2018-2022	I am teaching the course "e-Learning".

E. Postgraduate Program (M. Ed.) **"Informatics and Communication Didactics"** of the Department of Information & Communication Systems Engineering of the University of the Aegean
(https://www.icsd.aegean.gr/icsd/index.php)

2015-2018	I taught the course "Modern teaching methods in Informatics and Communication Education"

F. Postgraduate Program (M. Ed) **"Environmental Education"** of the University of the Aegean
(http://www.pse.aegean.gr/pms-pe/)

2007-2009	I taught the course "ICT applications to environmental education" in collaboration with Dr. Michael Meimaris and Dr. Fragiskos Kalavassis.

G. Postgraduate Program (M. Ed) « **Master's in Education**» of the Hellenic Open University (HOU)
(http://www.eap.gr)

2012-2013	Supervisor of masters' degree dissertations in the EDU65 thematic of the HOU as adjunct faculty.

5.II.3 THESES SUPERVISION
Indicative Selection:

A. University of the Aegean
Department of Pre-School Education and Educational Design
(Thesis preparation is optional)

[5.II.3.1]	Karvouni, M. (2022). *Approaches to teach Computational Thinking and Artificial Intelligence concepts in the Kindergarten.*

[5.II.3.2]	Zorzou, D. (2021). *Learning activities design for the use of Interactive Whiteboard and notetaking software in the Kindergarten.*
[5.II.3.3]	Georgouli, E. (2021). *Educational computer programming environments for young children and teachers' preparation.*
[5.II.3.4]	Chasioti, P. (2019). *Design, development and application of interactive video animation for the preschool education.*
[5.II.3.5]	Stamatiou, A. (2017). *The use of ICT by Preschool Children Out of Kindergarten.*
[5.II.3.6]	Theodoullou C., (2012). *Data analysis and chart creation with computers in kindergarten.*
[5.II.3.7]	Lappas D., (2011). *Creative Problem Solving in Computational Learning Environments.*
[5.II.3.8]	Malisiova E., (2009). *Stochastic concepts development of kindergarten children using ICT.*
[5.II.3.9]	Sofroniou C., (2009). *Design, development and application of learning* activities *with ICT for kindergarten mathematics.*
[5.II.3.10]	Charalampous M., (2008). *Educational utilization of internet using the model of webquests.*
[5.II.3.11]	Serafeim K., (2008). *Modern software environments for the development of educational applications and games.The case of Scratch.*

B. Postgraduate Program (M. Ed.) **"Modeling Design and Development Of Educational Units"** of the University of the Aegean (http://pms-msaem-conference.gr/models/)	
[5.II.3.12]	Stergenaki, S. (2019). *Design and implementation of dynamic systems simulation models in governance decision making.*
[5.II.3.13]	Ploumi, K. (2019). *The Impacts of School Classroom Learning Management Systems Integration: The Case of the Class Dojo.*
[5.II.3.14]	Laos, D. (2019). *Education in School Leadership Using Digital Simulations and Games: Inquiring the Reception by the Teachers.*
[5.II.3.15]	Kouzoukas, G. (2019). *Design and Evaluation of a Teacher Introductory Workshop to Understand the Concept of Computational Thinking.*
[5.II.3.16]	Spyrou, S. (2018). *Managing Change and Innovation: The Pedagogical Use of Augmented Reality Applications and Books in the Educational Process.*
[5.II.3.17]	Barbalis, E. (2018). *Online Reputation Management and Educational Unit.*
[5.II.3.18]	Glezakou, S. (2017). *Digital Citizenship Education: Investigating the Level of Greek Teachers' Concerns.*
[5.II.3.19]	Polytidou, Ch. (2017). *Audio technology and educational design: designing learning scenarios with emphasis on utilizing audio technology.*

[5.II.3.20]	Pantelakis, G. (2016). *Application of interactive case studies simulations with playful characteristics as a training tool for education executives*.
[5.II.3.21]	Bekri, A. (2016). *Mobile learning applications in Preschool education.*
[5.II.3.22]	Mavrogiannaki, E. (2016). *Digital Citizenship: Detection of students' awareness.*
[5.II.3.23]	Sofos, P. (2015). *The impact of B-level training on the change of pedagogical perceptions and attitudes of ICT teachers from Prefecture of Corinth in the integration of ICT in the educational process.*
[5.II.3.24]	Mavroudi, E. (2015). *E-learning educational design for vocational training applications.*
[5.II.3.25]	Vogiatzis, A. (2015). *Management Information Systems in Education.*
[5.II.3.26]	Konstantopoulou A. (2014). *ICT enhanced learning activities for spatial concepts and representations for kindergarten children.*
[5.II.3.27]	Emmanouilidis D. (2014). *Innovation management and ICT integration in the school. The case of interactive white boards.*
[5.II.3.28]	Voulgaridou I. (2014). *Online communities of practice administration. The role of the moderator.*
[5.II.3.29]	Tsakiridis Th. (2014). *Learning spaces – innovations in ICT design and integration.*
[5.II.3.30]	Androulakaki Th. (2014). *Computational thinking impact on K12 ICT curricums.*
[5.II.3.31]	Soulele Ch. (2013). *Data and graph processing ICT enhanced learning activities for the kindergarten.*
[5.II.3.32]	Savvas A. (2013). *Online reputation management and education.*
[5.II.3.33]	Lappas D. (2013). *Creativity cultivation in computer supported collaborative learning activities.*
[5.II.3.34]	Koufaki M. (2013). *Systemic thinking and educational governing.*
[5.II.3.35]	Theodoridou S., (2012). *Professional development of teachers in ICT enhanced learning design for environmental education.*
[5.II.3.36]	Tsigaros Th. (2011). *Administration models of ICT infrastructures and services for higher education institutions.*
[5.II.3.37]	Provelegios P. (2011). *Educational applications of Serious Games: The case of "Food Force".*
[5.II.3.38]	Mantikou S., (2011). *Design and assessment of ICT enhanced learning activities for the kindergarten.*

[5.II.3.39]	Theofanelis T. (2010). *Web 2.0 and computer supported collaborative learning: Looking for the collaboration.*
[5.II.3.40]	Palaiodimos A. (2010). *Interaction analysis in web blogs for use in teaching and learning.*
[5.II.3.41]	Rallou Th. (2011). *Content Analysis in Video Games and Websites.*
[5.II.3.42]	Panagiotopoulou P., (2011). *The utilization of the interactive board in kindergarten: A case study on the implementation of activities involving communication and collaboration via the internet, with the use of the Interactive White Board.*
[5.II.3.43]	Goula M., (2009). *Design of WEB2.0 educational applications: The case of English language teaching in Greek secondary education.*
[5.II.3.44]	Damoulos D., (2009). *Virtual and remote electronics laboratories utilization at Greek vocational lyceum.*

C. Postgraduate Program (M. Ed) **"Children's Book and Educational Material"** of the University of the Aegean
(http://www.pse.aegean.gr/pms-pvpy/)

[5.II.3.45]	Papaioannou, A. (2019). *Overview of Technological Educational Material Applications in the Education of Children in the Autism Spectrum.*
[5.II.3.46]	Manou, S. (2019). *Creation and evaluation of an augmented reality book for preschoolers.*
[5.II.3.47]	Lantavou, O. (2018). *«Design and Development of Augmented Reality Educational Games for Mobile Learning: The Case of Orientation Games in the Rhodes Campus.*
[5.II.3.48]	Felekidou, R. (2017). *Design and implementation of interactive simulations for the professional development of tourism executives.*
[5.II.3.49]	Diamantara, A. (2017). *Applications of digital storytelling to the teaching of the Natural Sciences.*
[5.II.3.50]	Volika, S. (2017). *Designing digital educational material using rapid e-learning methodology.*
[5.II.3.51]	Tsafou-Apostolopoulou, D. (2016). *Teaching approaches of the concept of pattern for young children, through ICT, literature and music.*
[5.II.3.52]	Michalopoulou M.-R. (2015). *Digital Interactive Storytelling: The design of professional development program for teachers.*
[5.II.3.53]	Trikou P. (2015). *Adventure games for learning.*
[5.II.3.54]	Pavlidou S. (2015). *Digital Storytelling and Mathematics.*

[5.II.3.55]	Zoumpatianou M. (2012). *Collaborative writing tools – educational applications: the case of Wikipedia.*
[5.II.3.56]	Lapatoura C. (2011). *E-books and their educational applications.*
[5.II.3.57]	Serafeim K. (2010). *Educational applications of digital storytelling: Didactical approach for Kindergarten.*
[5.II.3.58]	Armenaki D. (2010). *The use of ICT in the educational system of Finland.*
[5.II.3.59]	Papageorgiou S. (2010). *The use of ICT by kindergarten children in and out of the school in Cyprus.*

D. Postgraduate Program (M. Ed) **"Environmental Education"** of the University of the Aegean
(http://www.pse.aegean.gr/pms-pe/)

[5.II.3.60]	Kirodimou E. (2014). *Learning activities for sustainability and environmental education using dynamic systems computational modeling.*
[5.II.3.61]	Vlachou O. (2008). *Webquests design for nutrition education.*

E. Postgraduate Program (M. Ed) « **Master's in Education**» of the Hellenic Open University (HOU)
(http://www.eap.gr)

[5.II.3.62]	Potsis G. (2013). *Active "listening" techniques in electronic learning environments.*
[5.II.3.63]	Ardavani M. (2013). *The role of community moderator in online learning communities.*

F. Postgraduate Program (M. Ed.) **"Informatics and Communication Didactics"** of the Department of Information & Communication Systems Engineering of the University of the Aegean
(https://www.icsd.aegean.gr/icsd/index.php)

[5.II.3.64]	Eleftheriadi, E., Stefanou, I. (2019). *Teaching Computer Science Without a Computer.*
[5.II.3.65]	Gonnidi, A. (2018). *Designing and developing an online community of practice for creating learning scenarios with physical paths.*
[5.II.3.66]	Giagourta, M. (2017). *Teaching approaches of Computational Thinking Components.*
[5.II.3.67]	Athanasiou, E., Binos, L. (2017). *Creative Teaching and Learning ICT.*

G. Postgraduate Program (M. Ed.) **"Didactics of Mathematics, Science and Information and Communication Technologies in Education: Interdisciplinary Approach"** of the University of the Aegean
(http://www.pse.aegean.gr/dithenet)

[5.II.3.68]	Liapi, A. (2022). *Design of technologically enhanced learning activities with tactile interfaces for Mathematics in Kindergarten.*
[5.II.3.69]	Zairi, M. (2022). *Learning activities for mobile learning of mathematics*
[5.II.3.70]	Giavasi, T. (2022). *Interactive textbooks of Computer Science and computational thinking in K-12*
[5.II.3.71]	Panas, V. (2021). *Outdoor interdisciplinary learning of mathematical concepts*
[5.II.3.72]	Mpoltsi, O. (2021). *Interdisciplinary learning scenarios for Computational Thinking and Biology*
[5.II.3.73]	Konter, E. (2021). *Interdisciplinary approach to the concept of function with Computational Thinking*
[5.II.3.74]	Kefalas, I. (2021). *Online programming learning environments*
[5.II.3.75]	Vinieris, D. (2021). *Design thinking, constructionism and tinkering in the interdisciplinary approach of Mathematics, Science and Technology. Theoretical framework and a case study.*
[5.II.3.76]	Dougiou, A. (2019). *Math Trails design training program for primary school teachers.*
[5.II.3.77]	Kalaitzi, Th. (2019). *Integrating Computational Thinking into elementary school. The perspective of educational competitions.*
[5.II.3.78]	Patana, A. (2019). *Math Trails enriched with mobile technologies and gamification. A Case study.*
[5.II.3.79]	Kallianda, S. (2019). *Design of interdisciplinary learning scenarios of computational thinking and natural sciences.*
[5.II.3.80]	Petavrakis, M. (2019). *Interdisciplinary science-based learning scenarios based on digital audio technology.*
[5.II.3.81]	Prantsoudi, S. (2018). *Computational Thinking and Teachers: Views, Perceptions, and Classroom Curriculum.*
[5.II.3.82]	Kaltekis, G., Stati, F. (2017). *Interdisciplinary Teaching Approaches to Educational Robotics and STEM.*
[5.II.3.83]	Milonopoulos, D., Trikoilis, N. (2017). *Design of learning activities using meteorological stations.*
[5.II.3.84]	Michelakis, E. (2017). *The concept of Recursion in Teaching of Mathematics and Computer Science.*
[5.II.3.85]	Arkouli, A. (2017). *Parents' views on using Tablets in preschool children.*
[5.II.3.86]	Paschalina, K. (2017). *Realistic Mathematics Education and Mobile Learning for primary school children.*
[5.II.3.87]	Vasila, F. (2017). *Conceptual understanding of the average value using ICT.*
[5.II.3.88]	Giannakopoulos, P. (2017). *Teaching and Learning Patterns and ICT.*
[5.II.3.89]	Katsilli, M. (2017). *Teaching and learning graphs with ICT.*

[5.II.3.90]	Magnisiotou, M. (2017). *Digital storytelling applications in mathematics teaching in kindergarten.*
[5.II.3.91]	Savvidaki, A. (2017). *Modeling Complex Dynamic ICT Systems in Secondary Education.*
[5.II.3.92]	Plainiotis, Th. (2016). *Curriculum Design, Implementation, and Assessment for Mobile Programming with Appinventor for Secondary School Students.*
[5.II.3.93]	Frantzeskaki, K. (2016). *Designing Synthetic Learning Activities for Mathematics and ICT in Preschool Children: Combinatorics and Microcosm.*
[5.II.3.94]	Ioannou, V. (2016). *Interdisciplinary and Educational Robotics Curricula.*

5.II.4 MEMBER OF THREE-MEMBER COMMITTEES OF THESES SUPERVISION
Indicative Selection:

[5.II.4.1]	Member of the three-member supervising committee of the master thesis titled: *«School Computer Labs with Open Source Free Software and Centralized Architecture»* by Mr. Sarlis Ioannis, in the Postgraduate Program "Modeling Design and Development of Educational Units" of the Department of Pre-School Education and Educational Design, University of the Aegean. Supervising Committee chair: Assoc. Prof. Dimitracopoulou Angelique. Defended: 12/2007.
[5.II.4.2]	Member of the three-member supervising committee of the master thesis titled: *«Evaluation of Educational Software»* by Mr. Betzelos Nikolaos, in the Postgraduate Program "Modeling Design and Development of Educational Units" of the Department of Pre-School Education and Educational Design, University of the Aegean. Supervising Committee chair: Prof. Kalavasis Fragkiskos. Defended: 2/2007.
[5.II.4.3]	Member of the three-member supervising committee of the master thesis titled: *«Learning Educational Organizations. The Case of the 'HERON' Adult Education Program»* by Mr. Savvas Ioannis, in the Postgraduate Program "Modeling Design and Development of Educational Units" of the Department of Pre-School Education and Educational Design, University of the Aegean. Supervising Committee chair: Konsolas Manos. Defended: 12/2007.
[5.II.4.4]	Member of the three-member supervising committee of the master thesis titled: *«National and European funding programs: Overview and critical evaluation of actions for the development of Technical and Vocational Education»* by Mr. Mavropoulos Azarias, in the Postgraduate Program "Modeling Design and Development of Educational Units" of the Department of Pre-School Education and Educational Design, University of the Aegean. Supervising Committee chair: Konsolas Manos. Defended: 1/2007.
[5.II.4.5]	Member of the three-member supervising committee of the master thesis titled: *«Open Distance Education. An example of creating an e-learning community to train teachers of Secondary Education in Dodecanese who prepare Health Education Programs (e-LCHP)»* by Mrs. Fatsea Adamantia, in the Postgraduate Program "Modeling Design and Development of Educational Units" of the Department of Pre-School Education and Educational Design, University of the Aegean. Supervising Committee chair: Assoc. Prof. Dimitracopoulou Angelique. Defended: 6/2016.

5.II.5 PH.D. THESES SUPERVISION

Defended

[5.II.5.1]	Supervisor of the Ph.D. thesis titled: *«Design and development of mobile augmented reality serious games based on the map and study of the impact of their use on spatial ability development»* by Mr Markouzis Dimitrios, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. **Defended 12/05/2021**. Twice **Best Conference Paper Award** for different Articles (9th Didactics of Informatics Technology, 2018 & I.C. on Interactive Mobile Communication, 2017).
[5.II.5.2]	Supervisor of the Ph.D. thesis titled: *«Learning design of mobile augmented reality applications for environmental education»* by Mr Kozas Konstantinos, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. **Defended 21/06/2022.**
[5.II.5.3]	Supervisor of the Ph.D. thesis titled: *«Design and Evaluation of an Interdisciplinary Approach Curriculum Framework for integrating Computational Thinking in General Education»* by Ms Prantsoudi Stavroula, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. **Defended 23/06/2022**.
[5.II.5.4]	Supervisor of the Ph.D. thesis titled: *«The concepts of instructional and learning design and their applications in teachers' education: evidence-based curriculum design for the preparation of instructional designers for e-learning»* by Ms Volika Stamatia, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. **Defended 29/09/2022.** *State Scholarships Foundation's Scholar,* through the Operational Program «Human Resources Development, Education and Lifelong Learning 2014-2020».
[5.II.5.5]	Supervisor of the Ph.D. thesis titled: *"Computer supported educational assesment in e-learning environments"* by Mr Theologos Tsigaros, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. **Defended 23/05/2023**.

Under development

[5.II.5.6]	Supervisor of the Ph.D. thesis titled: *"Dimensions of the interdisciplinary design of an educational program for Informatics and Mathematics for children 4-8 years old"* by Ms Despoina Koutsomanoli Filippaki, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Since: 20/01/2021.
[5.II.5.7]	Supervisor of the Ph.D. thesis titled: *"The access of preschool children to digital technology and the Internet out of formal education. Influence to school readiness and the parental role"* by Mr Georgios Markogiannakis, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Since: 20/01/2021.

[5.II.5.8]	Supervisor of the Ph.D. thesis titled: *"Design and development of digital scenario based simulations for the development of decision making ability under uncertainty."* by Mr Dimitrios Lappas, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Since: 14.07.2021.

5.II.6 MEMBER OF THREE-MEMBER SUPERVISING COMMITTEES OF DOCTORAL DISSERTATIONS

[5.II.6.1]	Member of the three-member supervising committee of the doctoral dissertation titled: *«Educational Robotics and Emerging Mathematical Concepts: Developing Spatial Thinking with Preschool Children»* by Mr. Kourias Spiridonas, at P.D.P.E of the University of Thessaly and the supervision of Prof. Chronaki Anna. **Defended**: 18/07/2019.
[5.II.6.2]	Member of the three-member supervising committee of the doctoral dissertation titled: *«Development of creative digital content for the support of lingual interaction of communities: Possibilities and limitations of multimodality in internet multicultural collaboration of students»* by Mrs. Aikaterini Fragkiadoulaki, at the University of the Aegean and the supervision of Prof. Dimitracopoulou Angelique **Defended:** 27/1/2021.
[5.II.6.3]	Member of the three-member supervising committee of the doctoral dissertation titled: *«Teaching Communication in Preschool Education: Investigating the tone of kindergarten teachers' voice during the teaching process»* by Mrs. Ntouka Afroditi, at the University of the Aegean and the supervision of Assoc. Prof. Stamatis Panagiotis. **Defended**: 24/9/2021.
[5.II.6.4]	Member of the three-member supervising committee of the doctoral dissertation titled: *«Exploiting Digital Learning Systems and Learning Analytics for Implementation of Exploratory Learning in Interdisciplinary Computer Science Activities»* by Mrs. Papamargariti Alexandra at the University of the Aegean and the supervision of Prof. Dimitracopoulou Angelique, since 2/6/2017.
[5.II.6.5]	Member of the three-member supervising committee of the doctoral dissertation titled: *«Informational and technological literacy in the application of ICT in primary and secondary education»* by Mrs. Tegousi Nausika, Department of Computer Science with Applications in Biomedicine of the University of Thessaly and the supervision of Assis. Prof. Drakopoulos Vasileios, since 24/11/2016.

5.II.7 MEMBER OF SEVEN-MEMBER EXAMINING COMMITTEES OF DOCTORAL DISSERTATIONS

Selection

[5.II.7.1]	Member of the seven-member committee examining the Ph.D. thesis: **« The development of elementary school students' geometric thinking through digital simulations using visual programming: The case of the angle** *»* by Mr. Konstantinos Kakavas, at the University of Patras/Department of Educational Sciences & Early Childhood Education. Supervising Committee chair: Prof. Konstantinos Zacharos. Defended: 8/05/2023.

[5.II.7.2]	Member of the seven-member committee examining the Ph.D. thesis: **«Development, facilitation and study of an integrated programming environement and an online community of practice for the teaching of computer science in the high school»** by Mr. Alkis Georgopoulos, at the University of Patras/Department of Educational Sciences & Early Childhood Education. Supervising Committee chair: Prof. Vasileios Komis. Defended: 26/07/2022.
[5.II.7.3]	Member of the seven-member committee examining the Ph.D. thesis: *«Computer programming as part of the digital literacy and computational thinking clutivation: the case of development and remixing of digital games»* by Ms. Marianthi Grizioti, at the N. K. University of Athens/Department of Informatics and Telecommunications. Supervising Committee chair: Prof. Chronis Kynigos. Defended: 13/11/2020.
[5.II.7.4]	Member of the seven-member committee examining the Ph.D. thesis: *«Information technology - virtual reality in archaeological and archaeometric education»* by Mr. Volonakis Pantelis, at the University of the Aegean/School of Humanities/Department of Mediterranean Studies. Supervising Committee chair: Prof. Lyrintzis Ioannis. Defended: 29/05/2019.
[5.II.7.5]	Member of the seven-member committee examining the Ph.D. thesis: *«Exploring the development of high school students' computational problem-solving strategies by utilizing three-dimensional (3D) virtual world»* by Mr. Pellas Nikolaos, at the University of the Aegean/Department of Product & Systems Design Engineering. Supervising Committee chair: Prof. Spiridon Vosinakis. Defended: 17/04/2019.
[5.II.7.6]	Member of the seven-member committee examining the Ph.D. thesis: *«School Development as a self-referential process of improvement of the organizational learning and intelligence: the example of post - dictatorship Greece»* by Mrs. Aggelakou Exakousti-Petroula, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Prof. Kontakos Anastasios. Defended: 18/05/2018.
[5.II.7.7]	Member of the seven-member committee examining the Ph.D. thesis: *«Folk culture and education: the role of computer science and information and communication technologies on the generation of digital educational material»* by Mr. Kapaniaris Alexandros, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Assoc. Prof. Gasouka Maria. Defended: 28/04/2017.
[5.II.7.8]	Member of the seven-member committee examining the Ph.D. thesis: *«The role of informative representations in mathematical problem solving»* by Mrs. Skandalaki Emmanouela, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Assoc. Prof. Skoumpourdi Chrysanthi. Defended: 28/04/2017.
[5.II.7.9]	Member of the seven-member committee examining the Ph.D. thesis: *«Tangible user interface systems and number sense development with young children: the pedagogical design study of the AddOnTable»* by Mr. Chaliampalias Rizos, at the P.D.P.E of the University of Thessaly. Supervising Committee chair: Prof. Chronaki Anna. Defended: 08/02/2017.

[5.II.7.10]	Member of the seven-member committee examining the Ph.D. thesis: *«The use of Digital Student Portfolio (e-portfolio) as a potential educational tool for authentic assessment and development skills of kindergarten pupils»* by Mrs. Panagiotopoulou Panagiota, at the Department of Early Childhood Education of the National & Kapodistrian University of Athens. Supervising Committee chair: Prof. Gialamas Vasilis. Defended: 06/02/2017.
[5.II.7.11]	Member of the seven-member committee examining the Ph.D. thesis: *« New Horizons in Greek Folklore Studies: The Internet as a Field of Production, Dissemination and Educational Utilization of Popular Culture »* by Ms. Xanthipi Foulidi, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Prof. Vitsilaki Chrysi. Defended: 6/2/2017
[5.II.7.12]	Member of the seven-member committee examining the Ph.D. thesis: *«Framework of behavioral assessment in the use of new technologies in naval training»* by Mr. Vasilakis Panagiotis, at the University of the Aegean/ Department of Shipping, Trade and Transport. Supervising Committee chair: Prof. Nikitakos Nikitas. Defended: 17/10/2013
[5.II.7.13]	Member of the seven-member committee examining the Ph.D. thesis: *«Analog reflection and development of metacognitive skills through collaborative learning activities in Physics»* by Mr. Kritikos Georgios, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Prof. Dimitracopoulou Angelique. Defended: 11/09/2013
[5.II.7.14]	Member of the seven-member committee examining the Ph.D. thesis: *«Alternative Forms of Education: The use of virtual worlds in e-learning»* by Mr. Tapsis Nikolaos, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Ms. Vitsilaki Chrysi, Professor. Defended: 04/07/2012
[5.II.7.15]	Member of the seven-member committee examining the Ph.D. thesis: *«Investigating metacognitive functions during mathematical problem solving in 10-11 year old students»* by Evangelos Mokos, at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design. Supervising Committee chair: Ms. Sonia Kafousi, Professor. Defended: 15/02/2012

5.II.8 SHORT DURATION TEACHING IN UNIVERSITIES ABROAD

2023	I taught for 8 hours, on "Computational Thinking in Education and Technology Enhanced Learning Research in LTEE Lab" at Norwegian University of Science and Technology - NTNU/Faculty of Information Technology and Electrical Engineering/Department of Computer Science, within the framework of Erasmus+ Training Mobility Program, after invitation of Prof. Dr. Michail Gannakos, 30/5/2023-2/6/2023.
2023	I taught for 25 hours the Seminar: "240372 Designing Technology Enhanced Learning for Mathematics: From the digital tools to the learning experiences" to 28 students, in the context of International Guest

	Lectureship Programme of Bielefeld University, after invitation of Prof. Dr. Michael Kleine, 17-21 APR 2023
2018	Διδασκαλία, σε πανεπιστήμιο στο εξωτερικό (σχολή υποψηφίων Διδακτόρων), με θέμα "Technology Enhanced Learning and Computational Thinking in Education Research in LTEE Lab" στο PhD COURSE "Pedagogical, Educational and Instructional Sciences" - Università degli Studi di Padova, Dipartimento di Filosofia, Sociologia, Pedagogia e Psicologia Applicata – FISPPA department, within the framework of Erasmus+ Training Mobility Program under the signed Inter-institutional agreement. Διάρκειας 8 ωρών, έλαβε χώρα στην Πάντοβα της Ιταλίας, 26-29/06/2018. Γλώσσα διδασκαλίας η Αγγλική. I taught 8 hours on the subject: "Technology Enhanced Learning and Computational Thinking in LTEE Lab" at the PhD COURSE "Pedagogical, Educational and Instructional Sciences" - Università degli Studi di Padova, Dipartimento di Filosofia, Sociologia, Pedagogia e Psicologia Applicata - FISPPA department, within the framework of Erasmus + Training Mobility Program under the signed Inter-institutional agreement. In Padua, Italy, 26-29 / 06/2018.

5.III Adult Education Programs

2022	Trainer at the Online Training program and the Intensive Study Program for mathematics teachers about the use of digital tools in the online teaching and learning of mathematics (https://asymptote-project.eu/events/intensive-study-programme/). The training programs were implemented in the context of the Erasmus+ Strategic Partnership Project "ASYMPTOTE" (https://asymptote-project.eu/). From 2nd to 12th September 2022, a eleven-day Intensive Study Programme for students from Germany, Greece, Italy and Portugal, took place in Frankfurt, Germany. During this event, students learn about the principles of e-learning and the ASYMPTOTE system. The topics I taught were "The ASYMPTOTE Theoretical Framework", and "Mobile Learning"
2018-2019	Trainers' Trainer under the framework of the "B-Level ICT Teacher Training" project of the Operational Program "Human Resources Development, Education and Lifelong Learning", NSRF (2014-2020), which is funded by the European Union, the ESF and national resources. I taught at the PAKE of University of Peloponnese in Corinth on the clusters of Primary and Computer Science teachers on teachers' training in the use of digital technology.
2019	Trainer for the subject: "Educational Technology and Multimedia: Applications in Education" in the asynchronous distance learning educational program entitled "Annual Training in Music Pedagogy 440 hours" under the framework of Lifelong Learning Programs (http://e-epimorfosi.aegean.gr/) of the University of the Aegean (22/3/2019 - 4/4/2019), two weekly sessions.
2016 **2017** **2018**	Trainer for the ERASMUS+ KA1 program with the course "Creative Computing in Education", in the framework of the CRETLICT of LTEE, DIGICULT and KIOS programs that were organized in Rhodes by the RICHeS organization. The programs included teachers of all levels and specialties from different European countries. Language of instruction was

	English.
2015	Teachers' Trainer on "Design, development and programming of Robotics applications for primary school children", within the framework of the same-day training workshop organized by the LTEE Lab of the University of the Aegean/Department of Preschool Education and Educational Design, 12/12/2015.
2015	Trainer for public servants for the subjects: «Spreadsheets» and «Internet» in the program titled «Basic computer applications» National School of Public Administration and Local Government - ESDDA, 30/06 & 01/07/2015.
2015	Trainer for teachers for the subject: «ICT for space and maps concepts in the kindergarten», in the framework of training program organized the educational district of prefecture of Ilias educational counselor Mrs Maria Papastoikou, at Pirgos city, 12 & 13/06/2015.
2015	Trainer for teachers for the subject: «Online reputation management for schools», in the framework of the training program: «School administration and innovation», organized by the school district of Dodecanese prefecture, 21/02/2015.
2014-2015	Trainer for teachers and designer of the e-learning program «Theory, technology and applications of digital storytelling» in the framework of the lifelong learning program of the University of the Aegean, 03/11/2014-15/03/2015.
2014	Trainer for teachers in the program: «Design construction and programming of robotics applications for primary education students», organized by the LTEE lab of the University of the Aegean/Department of Preschool Education and Educational Design, 13/12/2014.
2014	Trainer for teachers for the subject of: «Design, planning and implementation of teaching II – Teaching and learning using ICT» in the e-learning program titled «Educational management and pedagogical practice» in the framework of the lifelong learning program of the University of the Aegean, 20-26/10/2014.
2013	Trainer for teachers for the subject of: «Online reputation management for teachers», in the framework of training program organized by the Dodecanese Counseling Center for Youth at Rhodes, 16/03/2013.
2013	Teachers trainer at the Center of Environmental Education of Edessa-Giannitsa for the subject: «Familiarization with the online community of school gardeners and the opportunities for its utilization for learning», 7 & 8/3/2013.
2012	Teachers trainer at the Center of Environmental Education of Edessa-Giannitsa for the subject: «Designing and educational online community of practice for the school gardeners», in the framework of the local network of environmental education "school gardeners", 6/11/2012.
2011-2012	Trainer of teachers' trainers and school advisors in the new curriculum for Informatics under the "New School" framework of the Institute of Educational Policy (IEP).

2011-2012	Trainer of the University of the Aegean University Training Center (PAKE) both in the general and the special in the Mathematics subject-matter parts. The training involved the use of ICT in learning and the preparation of teachers to integrate ICT in teaching practice.
2011	Teachers trainer at the Center of Environmental Education of Edessa-Giannitsa for the subject: «Designing learning scenarios for environmental education using the models of webquests and microlessons», in the framework of the program «Blended learning in the service of environmental education», 16/12/2011.
2010-2011	Teachers trainer for the subject «ICT in primary education» in the framework of the project «Professional development for the teachers of primary schools with extended curriculum» of the Organization for the Professional Development of Teachers (OEPEK), 25 & 26 OKT 2010 & 21 MAR 2011.
2008	Designer and instructor of professional development program for the use of ICT in kindergarten in the context of "Digital World of Preschool Education" INTERREG III project.
2008	Trainers' trainer for Computer Science Didactics in the context of professional development program of the Ministry of Education for Computer Science Teachers. The project was implemented by University of Patras and Research Academic Computer Technology Institute.
2008	Trainers' trainer in the project EPINOISIS of the Communication and Mass-Media Department of University of Athens for the use of digital games for the education of people with of mental retardation.
2004-2009	ICT in education trainer for new public schools' teachers of primary and secondary education in project repeated every year by the Ministry of Education.
2004-2005 & 2005-2006	Computer applications trainer in adult education project of Greek Ministry of Education at the Center of Adults' Education (KEE) of Dodecanese prefecture.
2005-2006	Trainer in adult in Centers of Professional Training for IT literacy, Electronic document processing etc
2000-2001	Computer skills (IT literacy) for adults, trainer, in programs by the committee for popular education (ΝΕΛΕ) of the Dodecanese prefecture.

6. PROFESSIONAL EXPERIENCE

	A. Teaching at University
18/08/2020-Now	Full Professor for "Computer Science and Mathematics Education and Digital Technology in Education and Educational Design" at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design.
2020-2021 **2021-2022**	Adjunct Academic Staff of the Hellenic Open University at the Computer Science Department. Course taught "Informatics and Education".
31/8/2016-18/08/2020	Associate Professor for "Design and development of ICT applications and products of Mathematics Education" at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design.
04/07/2012- 31/08/2016	Assistant Professor for "Design and development of ICT applications and products of Mathematics Education" at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design.
17/8/2007- 04/07/2012	Senior Lecturer for "Design and development of ICT applications and products of Mathematics Education" at the University of the Aegean/School of Humanities/Department of Pre-School Education and Educational Design.
2012-2016	Teaching at the one-year program of Pedagogical Training of the School of Pedagogical and Technological Education (ASPETE) – Rhodes' Branch. The program provides certified training for in-service or prospective secondary –mainly technical or vocational- teachers.
2012-2013	Adjunct Faculty at the Hellenic Open University (HOU) supervising thesis in the EDU65 thematic.
2005-2006 & 2004-2005	Adjunct Lecturer at University of the Aegean/Department of Preschool Education and Educational Design where I Taught undergraduate and postgraduate courses related to ICT in education.
2005-2006 & 2004-2005	Teachers' trainer for the new public schools' teachers for the Greek Ministry of Education.
2004-2006	ICT literacy trainer at the Center of Adult Education of Dodecanese.
2005-2006	ICT trainer at the Center of Professional Training of Dodecanese.
	B. Short term teaching at foreign Universities
2023	I taught for 8 hours, on "Computational Thinking in Education and Technology Enhanced Learning Research in LTEE Lab" at Norwegian University of Science and Technology - NTNU/Faculty of Information Technology and Electrical Engineering/Department of Computer Science, within the framework of Erasmus+ Training

	Mobility Program, after invitation of Prof. Dr. Michail Gannakos, 30/5/2023-2/6/2023.
2023	In the context of International Guest Lectureship Programme of Bielefeld University, after invitation of Prof. Dr. Michael Kleine, I taught for 25h the Seminar: "240372 *Designing Technology Enhanced Learning for Mathematics: From the digital tools to the learning experiences"* to 28 students at Bielefeld, 17-21 APR 2023
2018	In the context of Erasmus+ mobility project I taught in a foreign University (Faculty of Doctoral Candidates) on the subject: "Technology Enhanced Learning and Computational Thinking in LTEE Lab" at the PhD COURSE "Pedagogical, Educational and Instructional Sciences" - Università degli Studi di Padova, Dipartimento di Filosofia, Sociologia, Pedagogia e Psicologia Applicata - FISPPA department, within the framework of Erasmus + Training Mobility Program under the signed Inter-institutional agreement. Duration 8 hours, took place in Padua, Italy, 26-29 / 06/2018. Language of instruction was English.
C. Online/e-learning designer and teacher
2022	Designer and trainer for the online training program: Digital Tools for Online Mathematics Teaching - DiTOMT. DiTOMT was developed and implemented in the context of ASYMPTOTE project (https://asymptote-project.eu/). It was designed for 3-5 ECTS, with optional essay project, the duration of the program was 4/4/2022-2/7/2022. The program was structured in asynchronous and synchronous weekly online meetings for 21 hours.The program was attended 20 mathematics teachers from Greece.
2019	Trainer for the subject: "Educational Technology and Multimedia: Applications in Education" in the asynchronous distance learning educational program entitled "Annual Training in Music Pedagogy 440 hours" under the framework of Lifelong Learning Programs (http: //e-epimorfosi.aegean.gr/) of the University of the Aegean (22/3/2019 - 4/4/2019), two weekly sessions.
2018-2019	As a trainers' trainer under the framework of the "B-Level ICT Teacher Training" project of the Operational Program "Human Resources Development, Education and Lifelong Learning", NSRF (2014-2020), which is funded by the European Union, the ESF and national resources, I taught at the PAKE of University of Peloponnese in Corinth on the clusters of Primary and Computer Science teachers on teachers' training in the use of digital technology.
2014-2015	In the framework of the life-long learning program of the University of the Aegean (http://e-epimorfosi.aegean.gr/) I was the scientific responsible, designer and one of the teachers for the e-learning program «Theory, technology and applications of the digital storytelling». The duration of the program was about four months. (http://e-epimorfosi.aegean.gr/e-viewpr?prpd_id=83723).

2014	In the framework of the life-long learning program of the University of the Aegean (http://e-epimorfosi.aegean.gr/) I was the designer and the teacher in one week long module of the e-learning program «Educational management and pedagogical practice» Scientific responsible of the program was Prof. Chrysi Vitsilaki. (https://e-epimorfosi.aegean.gr/e-viewpr?prpd_id=119449).

D. Public Secondary Education Teacher

31/8/1999-31/8/2007	Public schools Computer Science teacher in secondary education.

E. Adults education and training

2004-present	Adults trainer and educator, trainers trainer, and adults' training designer in several public and private organizations projects such as: Vocational Training Centers, Teachers Training Centers, PAKE, EKDDA, Centers of Environmental Education, Training workshops and seminars, for details see section 5.III Adults education and training.

F. Research and administrative experience

2023	**ELPEIDA: (3/3/2023-30/06/2023)**. This project concerns the development of the innovative learning software for the Kindergarten (ELPEIDA = Preschool Education Software for Creativity and Cognitive, Emotional and Social Development Skills) with corresponding educational scenarios, adapted to the requirements of the new Preschool Education curriculum for the Greek school as well as the training and supporting the implementation of a sufficient number (500+) pre-school teachers to use this software with mobile or other digital devices in real classroom conditions. The contracting authority is the Greek Institute of Educational Policy, Call No.: 6/2022, *"Development of educational software for preschool education and provision of digital educational/training material - Distance training and support of teachers"*, Action: *"Pilot interventions to support the utilization of advanced Information Technologies and of Communications in Preschool Education"*. The contractor is the University of Patras/ELKE with Professor Vassilis Komis as the scientific director. My main responsibilities in the project include: Participation in the editing of the application with software specifications, coordination of the software design and development team in the project, participation in the training design and coordination of the training scenario development team.
2023-2026	Research Fellow in the project DiToM (Digital Tools in Mathematics) is an proposal submitted to *Erasmus+ KA2 – Cooperation for Innovation and the Exchange of Good Practices.*The project proposal is approved by DAAD and the 36 months project

	will start during 2023. The aim of this project is to bring this expertise together and create a continuous diagnostic instrument that teachers can use to measure basic skills in arithmetic and algebra at the end of a two-year learning period. Thus, four diagnostic tests will be created that incorporate visuo-spatial skills required for number learning. Furthermore, the projects aims to explicitly acknowledge the special needs of inclusive classrooms for the application of diagnostic tools. Coordinator of the project is the University of Bielefeld/Faculty of Mathematics/Institute for Didactic Mathematics (IDM). PI: Prof. Dr. Michael Kleine & Prof. Dr. Andrea Peter-Koop.
28/2/2022-28/2/2024	Research Fellow in the project INCTCORPS (Integrated and Culturally Responsive Computational Thinking Curriculum for Primary Students) concerns the design and development of an unplugged curriculum for Computational Thinking integrated in primary education arts and literature courses. Coordinator of the project is Pamukkale Üniversitesi/Department of Education and PI is Prof. PhD Hüseyin Özçınar. More information for the project: https://sites.google.com/view/inctcorps
1/3/2021-28/2/2023	Research Fellow in the project ASYMPTOTE (Adaptive SYnchronous Mathematics Learning PaThs for Online Teaching in Europe) project is an Erasmus+ Strategic Partnership in the key action KA226 (DAAD) (grant no. 2020-1-DE01-KA226-HE-005738). The project aims at the development of both, a website and a mobile application, for the conduct of synchronous online and distance mathematics education. The tool enables lecturers and teachers to select already existing or to create own tasks and mathematical learning paths, i.e. a sequence of tasks. The Goethe University is the ASYMPTOTE Project Coordinator, with PI Prof. Dr. Matthias Ludwig head of Institut für Didaktik der Mathematik und der Informatik. More information about the project at: https://asymptote-project.eu/
17/11/2020-1/12/2021	I am participating, in the projects titled "Upgrading the Curriculum and Creating Educational Materials for Primary and Secondary Education" (MIS: 5035542) and "Training of teachers in Primary and Secondary Education Curricula and educational materials" (MIS: 5035543) of the Greek Institute of Educational Policy. My responsibility was the coordination of the working group for the development of the new national curriculum for Informatics in grades 7th- 9th . In addition I participated in the design and implementation of the teachers training program, a relevant MOOC development and the pilot implementation of the new curriculum for its validation and revision. Our group had also to produce technical requirements for the students textbook.
1/9/2019-31/8/2022	Scientific Coordinator of the University of the Aegean on the Erasmus + (2019-1-EL01-KA201-062883), Exchange of Good Practices program, entitled: Computational Thinking at School, (CompuT), for a period of three years [01/09 / 2019-31 / 8 / 2022], and a budget of € 226,131.00. Secondary Education Schools from

	Greece, Spain, Portugal, Norway participate in the Strategic Partnerships Program KA2, School Education Sector, with the Coordination of the Directorate of Secondary Education of Dodecanese, which applied the proposal in collaboration with the University of the Aegean. During the program secondary education teachers will train in integrating Computational Thinking into their educational practice. More information: http://ltee.aegean.gr/comput/
1/9/2018-31/8/2022 **1/9/2020-31/8/2022**	Elected **Vice President of the Department of Preschool Education and Educational Design** of the University of the Aegean
1/9/2019-31/8/2022	Associate Director of the Postgraduate Program "Didactics of Mathematics, Science and Information and Communication Technologies in Education: Interdisciplinary Approach" of the Department of Preschool Education and Educational Design of the University of the Aegean
4/7/2018-30/7/2018	Member of the Regional Selection Board for the creation of the selection lists and the selection of Education Coordinators and Heads of Educational and Counseling Support Centers and Sustainability Education Centers, of the Regional Directorate of Primary & Secondary Education of the South Aegean.
2018-2020	Coordinator of the Greek Organizing Committee and a Representative in the international community of the **Bebras Informatics and Computational Thinking Student Challenge (Bebras.gr).** The Bebras®, or "Castor", Challenge was launched by Professor Valentina Dagiene of the University of Vilnius, Lithuania, in 2004, aiming to promote Computer Literacy. The Bebras Challenge is today an international initiative of The Bebras Community, (http://bebras.org), aiming to develop Informatics and mainly Computational Thinking among teachers and students. The challenge is open to students of all levels of education, from preschool to high school. More and more countries around the world are hosting the Bebras challenge, which is the extracurricular IT activity with the world's largest audience. In 2017, Bebras challenges were held in more than 40 different countries, with a total of about two million students participating. During the 2018-2019 school year, "Bebras" took place in 56 different countries and a total of approximately 2,700,000 students participated. At the same year, it was organized for the first time in Greece by the LTEE lab (http://ltee.aegean.gr) of the University of the Aegean, in collaboration with various organizations, associations and volunteers. In the first competition held in schools between 25/02/2019 - 08/03/2019, 398 schools and more than 13,000 students of all levels of education from all regions of the country participated. In the context of the Bebras-Castor Challenge organization in Greece, I participated, as Head of the Greek delegation, in the intensive workshops for the creation and selection of the competition topics, organized each year by the Bebras community: 1) 14th International Bebras Tasks Workshop (IBW2018), 7-11

	May 2018, Bebras Community & Cyprus Computer Scociety, Protaras, Cyprus.
	2) 15th International Bebras Tasks Workshop (IBW2019), 12-17 May 2019, Bebras Community and Eötvös Loránd University, Faculty of Informatics, Hungary.
28/11/2018-31/10/2019	Research Fellow in the project entitled "B-Level ICT Teacher Training" (code: 5833.01) which is being implemented under the Operational Program "Human Resources Development, Education and Lifelong Learning", NSRF (2014-2020) (MIS 5000065), which is funded by the European Union, the ESF and national resources. Scientific Responsible of the project is Assoc. Prof. Politis Panagiotis. The project was aimed at training 300 new ICT trainers at University Training Centers (PAKE). In the context of this project my responsibilities included: 1) Scientific Responsible for training Primary Education trainers, 2) Coordinator of the production team of additional educational material for training Primary Education trainers, 3) design and development of additional educational material and 4) teaching at PAKE of Corinth.
2019 & 2016	Design and **development of location-sensitive augmented reality games** for mobile devices for the event Open Doors / European Heritage Days, organized in Rhodes by the Rhodes International Culture & Heritage Society (RICHeS). Open Doors is a RICHeS initiative launched in 2010. It has since become a popular cultural event in the city of Rhodes, with thousands of visitors, locals and tourists. For Open Doors I have coordinated the design and development of two games: 1) "Rhodes 1521" (for the Open Doors of September 2016 entitled "The Knights of Rhodes") and 2) "Open Doors 2019", an interactive team guide (for the Open Doors of September 2019). The games are loaded on the visitors' portable devices on the scenic backround of the medieval town of Rhodes, giving information about the event. The games are available and used in educational and recreational events by educational, cultural associations and visitors.
2019	Erasmus + (2019-1-EL01-KA201-062883) Scientific Coordinator for the University of the Aegean, Exchange of Good Practices, entitled: Computational Thinking at School, (CompuT), for a period of three years [01/09/2019-31/8/2022], and a budget of 226,131.00 Euro. Secondary Education Schools from Greece, Spain, Portugal, Norway participate in the Strategic Partnerships Program KA2, School Education Sector, with Coordinator the Directorate of Secondary Education that also provided the proposal for collaboration with the University of the Aegean. The program will train Secondary Education teachers in integrating Computational Thinking into their educational practice.
2019	Inter-institutional agreement in the framework of *ERASMUS+* Key Action 1/-Mobility for learners and staff-/Higher Education Student and Staff Mobility, between the University of the Aegean/Department of Preschool Education Sciences and

	Educational Design and the Vrije Universiteit Amsterdam/Faculty of Science/Department of Computer Science (NL AMSTERD02) (vu.nl) for the exchange of students (undergraduate, postgraduate and doctoral) as well as teaching staff of all levels with the aim of exchanging expertise in ICT Teaching and IT and the preparation of ICT and IT teachers. The agreement was drawn up after a collaborative discussion and in coordination with Mrs. Marina Milo, Lecturer at Junior Docent, Computer Science at VU.
2018	*Writing and submitting proposals to ERASMUS+ KA2:* 1) Participation in the proposal for an Innovation Program entitled 'The integrated computational thinking curriculum for primary students' (INCTCORPS), duration three years [01/09/2019-31/8/2022], with a proposed budget of 439.342,00 Euro. Coordinator is the Pamukkale Universitesi, Turkey and participants are the Instituut voor Kennis Management in Belgium, the HELSINGIN YLIOPISTO in Finland and University of the Aegean/ Department of Preschool Education Sciences and Educational Design. Scientific Responsible for the proposal is Sibel DURU, PhD, Pamukkale University, Department of Education Sciences. The purpose of the program is to create a curriculum for integrating Computational Thinking into primary education without special equipment. 2) Participation in the proposal of good practices exchange, entitled: Computational Thinking at School, (CompuT), for a period of three years [01/09/2019-31/8/2022], and a budget of 226,131.00 Euro. Secondary Education Schools from Greece, Spain, Portugal, Norway participate in the Strategic Partnerships Program KA2, School Education Sector, with Coordinator the Directorate of Secondary Education that also provided the proposal for collaboration with the University of the Aegean. The program will train Secondary Education teachers in integrating Computational Thinking into their educational practice. *Approved by the SSF 18/7/2019.*
2018	*Writing and submitting a research proposal* entitled: "Interdisciplinary Integration of Computational Thinking in Preschool and Primary Education", to the 1st Call for **H.F.R.I.** Research Projects to support Faculty members and Researchers and Purchase high-value research equipment (DN. 500/15.12.2017), with duration 36 months and total budget 200.000,00 Euro. A key research problem in the proposed project was to support the even and systematic integration of Computational Thinking teaching and learning in preschool (ages 5-6) and first school age (ages 6-12). Rated 75/100 in the first phase with 80/100 to qualify for the second evaluation phase.
2017	Coordination of the reception of Dr. Hüseyin Özçınar, Assist. Prof., PAMUKKALE UNIVERSITESI/Computer Education and Instructional Technology Department, for teaching, upon request, the following subject: Teaching bibliometrics as a research method, in the Faculty of Science and ICT: Interdisciplinary approach, in course

	"Research Methodology and ICT" 1 & June 2, 2017, for 8 hours as part of the Erasmus+ KA1 program. This collaboration resulted in the participation in the submission of the Erasmus research proposal described in the previous entry.
2018	Scientific coordinator of the LTEE laboratory's collaboration with the Institut für Didaktik der Mathematik und der Informatik, Goethe-Universität Frankfurt, Prof. Matthias LUDWIG. The following activities have been carried out in the context of the collaboration of the two laboratories: 1) Translation of the website and the application of MathCityMaps for mobile digital devices that define and manage Math Trails, 2) Organization of a training workshop and lecture by Prof. Matthias LUDWIG about Math Trails and the MathCityMaps project, 30 / 3-1 / 4/2018, 3) Drafting a memorandum of cooperation between the two Laboratories to prepare research and coordinate theses on Math Trails and the use of digital technologies in the Teaching of Mathematics and Informatics, 4) Visit to the Institut für Didaktik der Mathematik und der Informatik, the Goethe- Universität Frankfurt 17- 18/01/2019 for participation in a research collaboration seminar attended by professors from the University Bielefeld Germany, Instituto Politécnico de Viana do Castelo Portugal and University Catania and Organization Gimath, Italy.
2016-present	Scientific responsible for the introduction and utilization of sychronous and asynchronous distance learning education technologies in the Postgraduate Program "Models of Educational Planning and Development" in the framework of the project: "Development of an electronic platform with sychronous education methods using digital media, within the rules of science and technology and technical support and maintenance of the online platform for the needs of graduate students' courses". As part of this project, the electronic platform (Moodle + BBB) was developed and teachers and students were trained in its use. Particular effort was made to develop the capacity to produce educational material and to apply constructivist teaching-learning methods through social interaction and collaboration. Much of the lectures are conducted online (30% -50%) reducing the cost of attendance and maintaining the necessary level of quality in monitoring the Postgraduate Program actions. Supported the transition to Emergent Remote Teaching during COVID19 period.
2019	Expert Evaluator of Research Proposals submitted in the framework of the "Students on Research – FOITO" competition of the "Cultivating Research and Innovation Culture" Program by the **Research Promotion and Foundation (RPF)** of the Government of the Republic of Cyprus for the academic year 2018-2019. In the context of the above competition, I was invited on the initiative of RPF to evaluate a research project as an international expert.
2018	Expert Evaluator of applicants' proposals for Scholarships by the **State Scholarship Foundation (SSF)**, for them to elaborate a doctoral thesis in Greece, in the framework of the Operational

	Program «Human Resources Development, Education and Lifelong Learning» through PhD Research, 2nd Circle, 2018. I evaluated 9 proposals for doctoral theses.
2018	Expert Evaluator of research proposals submitted under the Longterm Practice-Oriented Education Research invitation by the Program Council for Practice-Oriented Research (PPO) of the **Netherlands Organization for Scientific Research (NWO)** within the Netherlands Initiative for Education Research (NRO) (www.nro.nl/en) 2016-2019. <u>As part of the program, I was invited by the PPO to evaluate a proposal on Computational Thinking as an international expert.</u>
2017	Expert Evaluator of research proposals submitted under the Call for "Support of Researchers with Emphasis on Young Researchers" (code EDBM34), by the Ministry of Economy & Development/Special Secretariat for the Management of ESF Sectoral Operational Programs, for the OP «Human Resources Development, Education and Lifelong Learning» by the NSRF. As part of this program I joined the register of evaluators and evaluated 10 research program proposals.
6/7/2015-21/7/2015	*Expert consultant* for the assessment and the certification of the design proposal of the training program *«Special ICT topics web-applications development using Java Enterprise Edition 6-Java Server Faces & Jasper Reports»* for the National Center of Public Administration and Decentralization.
1/6/2015--31/12/2017	Scientific responsible for the training program: *«Creative learning and teaching using ICT and the cultural environment»* (http://ltee.org/main/lang/el/erasmus/ka1-cretlict/) in the framework: "Erasmus+/Key Action 1: Learning Mobility of Individuals/Mobility project for school education staff/Staff training". The program offers structured training for teachers all over Europe (except Greece) for the utilization of ICT in creative teaching and learning. In the framework of this project my responsibilities are the learning design of the training and the coordination of the implementation. The first session of the project will be implemented during July 2016.
2015	Member of the scientific team for the editing of the Research and Innovation action project proposal titled *«Professional Storyboard Interpretation Technology (ProSIT) for Technology-Enhanced Learning, Training and Serious Games»*, (Proposal ID 688728) submitted in the call for proposals Horizon 2020-ICT-2015, topic: ICT-20-2015 of the European Union. Scientific responsible Prof. Klaus P. Jantke at Fraunhofer Institute for Digital Media Technology IDMT, Germany. The proposal had 9 partners from 8 countries, it was assessed by 9 (Threshold: 10). Despite the positive comments the proposal did not took funding because of the high competition. It is possible to be improved and applied again in an appropriate call.
2014 - present	Chair of the scientific committee of the **educational robotics competitions** for the south Aegean prefecture organized by WRO

	Hellas with support by the Ministry of Education. Until now two competitions were implemented a) 1st National Educational Robotics Competition for students 8-12 years old, titled «My own city » - (WeDo scratching), on 1/3/2015, b) 1st General National Educational Robotics Competition, on 3/5/2015. My responsibilities were the coordination of the competitions and the group of the assessors.
3/11/2014-15/3/2015	Scientific responsible for the e-learning program *«Theory, technology and applications of digital storytelling»* in the framework of life-long learning program of the University of the Aegean with Scientific responsible the Prof. Chrysi Vitsilaki. My responsibilities include the learning design, the learning content development, and the coordination of the implementation of the program.
1-20/12/2014	Scientific responsible for the training program *«Design, construction and programming of robotics applications for primary school students»*. The project was implemented 13/12/2014, at the LTEE Lab of the University of the Aegean in collaboration to the Educational counselor of ICT for the South Aegean Prefecture. The aim of the project was to prepare the teachers to participate in the 1st National Educational Robotics Competition for children 8-12 years old, titled: «My own city» - (WeDo scratching). The competition is organized by WRO Hellas with the support of Greek Ministry of Education. My main responsibilities in the project was the training design and the coordination of its implementation.
8-11/12/2013 & 22-26/9/2014	Scientific partner in the project *«Audiovisual literacy and local societies»* (Scientific responsible Ass. Prof. Ioannis Skopeteas) in the framework of the project "The University as fundamental factor for the economic and social development of the Aegean. The project included video editing and documentary direction training in several Aegean islands. My main responsibility was the operation of the training center at Rhodes island.
1/3/2013-30/9/2014	Research fellow at the project: *«Techno-Recycling: Development of interactive methodology of the cultivation of creative thinking and the environmental awareness, the teaching and demystification of science through the construction of experimental instrument-devices using recyclable materials»* (http://technorecycle.gr/) in the framework of the action ARCHEMIDES III of ESPA national development program. Scientific responsible Prof. Emeritus Athanasios Zisos, and in collaboration with Prof. Antonios Baldukas. My responsibilities in the project concerned the technical report about the coordination of interactive training, the design of the project portal and the results dissemination
2/2/2012 – 31/8/2012 & 2/1/2013 - 1/08/2013	Research Fellow at the CTI project entitled **«Digital Educational Platform Specifications, Digital Knowledge Base Development, Digital Modulation and Technical Meta-annotations of Educational Material, Infrastructure for Exemplary Teaching and Utilization of Collaborative Web»**. The project was included in the Operational Program «Education and Lifelong Learning» which

	is co-funded by the EU (The European Social Fund) and Greek national funds (NFSR, 2007-2013). The project involved *the design and development of digital interactive material*, *as well as the selection and adaptation of appropriate existing material*, *with the aim of enriching the electronic version of the textbooks*, in accordance with the where-appropriate pedagogical and technical specifications. My participation in the project concerned the enrichment of the Mathematics school textbooks, with scientific responsible, Prof. Chronis Kynigos.
2011-2012	Scientific partner-member of the "IT applications in Education" group within the framework of the CTI No Δ240/21-03-2011_TEK call, regarding the implementation of the projects *«Training teachers in the use and exploitation of ICT in teaching practice».* My responsibilities included participation in scientific teams for: • Providing expertise and scientific documentation on specific scientific subjects regarding the utilization of information and communication technologies in education • Developing, modifying and updating training material for trainers' training and teachers' training. • Customizing the training material for the purposes of implementing mixed-model teachers' training In the case of ICT teachers specifically, in cooperation with the scientific coordinator, Prof. Vasilios Komis
2010-2012	Member of the Experts Committee, responsible for the development of the new ICT and Informatics curricula within the framework in the project: "New School (21th Century School) – New Curriculum, in the 1, 2, 3 Priority Axes – Horizontal Action", of the Institute of Educational Policy (IEP). General Scientific Coordinator: Associate Prof. Athanasios Tzimogiannis and scientific project coordinator: Christos Doukas, Vice President of IEP. More specifically, I participated in the Sub-project 1 titled: *«Development of the curricula of Primary and Secondary Education and of the Teachers' Guide "Tools for Teaching approaches"».* The project team developed the modern curricula for ICT and Informatics literacy that meet the international standards such as those of ACM and ISTE. Within the framework of the project, Teachers' Guides containing material and lesson plans that implement the new curricula, was also developed.
2010-2012	Participation as an expert, with the role of providing support at the training processes and to the trainers, during the training actions taking placing within the framework of the project: "New School (21th Century School) – New Curriculum, in the 1,2,3 Priority Axes – Horizontal Action", of the Institute of Educational Policy (IEP), for the purposes of the Sub-project 7, titled: **«Design, Monitoring and internal/formative assessment of the pilot application of the new curricula and of the training processes».** Within the framework of

	this project, both training programs and training material were developed. The training of the teachers and headmasters of the pilot schools as well as of the school advisors was also coordinated. The training involved the implementation and the assessment of the new ICT and Informatics curricula.
2011-2012	Deputy coordinator and trainer at the University Training Center (**PAKE**) of the University of the Aegean for the trainers training about ICT integration in education in the framework of the project "Teachers training for the utilization and the integration of ICT in their teaching practice" of OEPEK. Scientific responsible of the project was Prof. Angelique Dimitracopoulou. My main responsibilities for this project include the preparation of its proposal, the organization and the operation of the training center as well as the teaching of training courses.
2010	Coordinator of the project "**Building Robots in Rhodes**" for the Municipality of Rhodes. During the project I designed and implemented educational robotics training program delivered to 20 teachers and 60 students from schools of Rhodes using lego mindstorms. The project was granted by "Stavros Niarchos Foundation". The training was designed using the studio learning approach. One of the trained groups took the first place in the Greek educational robotics contest of 12 June 2010 (http://wrohellas.gr) and represented Greece in the world robotics contest at Philippines.
2008	Associate to the project "Professional development of Computer Science Teachers" of Greek Ministry of Education. In the context of the project I was training designer, training material developer and trainer for 120 trainers who will train Computer Science teachers all over Greece. The training program had 50 hours duration and was implemented from 25 March to 6 April 2008 at University of Patras. Coordinator of the project was Prof. Panagiotis Pintelas.
2007-2008	Scientific partner to the project **EPINOISIS (2007-2008)** "Teachers professional development and educational material production for people with mental retardation". The training was for 400 hours while teachers learnt how to use, design and develop digital games for learning. My responsibilities included teachers training the running of the training center for Dodecanese. Coordinator of the project was Prof. Michael Meimaris of Communication and Mass Media department of University of Athens.
2007-2008	**SELECTION AND PREPERATION OF e-LEARNING EDUCATIONAL CONTENT ABOUT DODECANESE. (2007-2008)**. Project in the framework South Aegean Regional Operational Program (ROP) 2000-2006 by the Dodecanese Prefecture. Main goal of the project was the design and development of about 40 e-learning modules about local history, culture, environmental, and archaeological themes. The modules are open to the public on the http://lms.nad.gr. My main responsibility was the coordination of the e-learning team along with the management of the project. Project

	coordinator, University of Aegean Prof. Chrysi Vitsilaki.
3/2006-6/2008	**DIGITAL WORLD OF PRESCHOOL EDUCATION (2006-2008)**. Project in the framework INTERREG III Greece – Cyprus 2000-2006 of the European Initiative. The project aims mainly to the development of a portal with learning activities to promote the interaction among the children of the two countries while in the axis of physical interaction the project will support congresses implementation and professional development actions. In the project I contributed mainly to the design of the resource center portal of the project and to the development interactive multimedia educational applications for the preschoolers accessible from the internet. Project coordinator for the University of Crete is Prof. Georgios Kitsaras, and for University of Aegean Prof. Fragiskos Kalavasis.
1/1/2005-31/12/2005	**INTERACTION ANALYSIS (2005-2006)** – supporting participants in technology-based learning activities: Jointly Executed Integrated Research Project in the framework of Kaleidoscope NoE. Prof. Angelique Dimitracopoulou. It is a continuation of the ICALTS project below.
10/5/2004 -1/6/2006	**RECOIL (2004-2006).** Resources for COllaborative Inquiry Learning. In the framework of e-learning initiative of European Commition. Project coordination: Dr. Wouter R. van Joolingen, Universiteit van Amsterdam, Graduate School of teaching and learning, Wibautstraat 2-4, AMSTERDAM. Investigation of inquiry learning promotion in European Educational reality synthesizing the views of three research projects (ModellingSpace, CoLaB και VITEN). My responsibilities included: contribution to the development of resource center for the application of collaborative inquiry learning and design of learning activities.
01/1/2004 – 31/12/2005	**ICALTS (2004-2005)**. Interaction & Collaboration Analysis supporting Teachers & Students Self-regulation. Jointly Executed Integrated Research Project in the framework of Kaleidoscope NoE. Project Coordinator prof Angelique Dimitracopoulou. In this project I contributed in the examination, design and implementation of interaction analysis tools for Computer Supported Collaborative Learning Environments. I also designed, developed and maintain the projects web site.
01/1/2004 – 31/12/2005	**MOSIL (2004-2005)**. Mobile Support for Integrated Learning. Jointly Executed Integrated Research Project in the framework of Kaleidoscope NoE. Scientific coordinator Prof. Pierre Dillenbourg. CRAFT, Center for Research and Support of Training and its Technologies, Swiss Federal Institute of Technology Lausanne. In the framework of the project I contributed to the design, experimental application and evaluation of scenarios for mobile learning and exploitation of mobile technology in education. We also explored formal representation methods for learning scripts that enable automated delivery and implementation.
01/9/2001 – 31/5/2004	**MODELLINGSPACE (2001-2003).** Information Society

	Technologies, IST- 2000-25385, Education and Training, School of Tomorrow, Space of Ideas expression, modelling and collaboration for the development of imagination, reasoning and learning, Design, development and evaluation of the collaborative learning environment system and the accompanied material, appropriate for the educational system of four countries (Greece, France, Belgium, Portugal). Scientific Project Manager, Angelique Dimitracopoulou. My responsibilities included: contribution to the edition/production of the deliverables: D01-User Requirements, D02-Pedagogical approach. Pedagogical validation using qualitative field research. Design of learning activities.
1/10/1999 -31/6/2000	**Aegean DOLPHIN (1998-2000).** Distance and Open Learning Programs on Hellenic Interactive Network. Greek Ministry of Education/EPEAEK Project- Distance Education Projects, Scientific Coordinator: Prof. O. Sakellaridis. My main responsibilities include **a.** administration of learning center at Rhodes Island. **b.** Collection and first processing of data for assessment of the pilot project.
01/6/1994 - 30/10/1996	**PARACHUTE (1994 – 1996).** Parallel Constraint Handling for User Technologies (PARACHUTE), ESPRIT Project, EP 9134 (May 1994 – Sept. 1996). Design and development of airline crew scheduling system. Scientific manager and project coordinator: Prof Constantin Halatsis. In the framework of the project an innovative crew scheduling optimization system has been developed using UNIX, C++ & ORACLE platform based on the general **set partitioning problem**. My main responsibility was the development of set partitioning module using constrained programming.

7. THESES

11/03/1998 -06/10/2003	<u>PhD thesis</u>, [2003], University of the Aegean/Department of Preschool Education and Educational Design, *«Educational exploitation of computational modeling environments and especially of the Relational Database Management Systems»*. Supervisor prof. Angelique DIMITRACOPOULOU.
20/6/1997 - 27/12/1998	<u>MSc thesis,</u> [1996], National Kapodistrian University of Athens/Masters' Program: "Advanced Informatics Systems"/Informatics & Telecommunications department. Title: *«Comparison of neural networks, simulated annealing, and constrained programming based computational approaches for the general problem of optimal set portioning»*. Supervisor prof. Constantine HALATSIS.
3/3/1997 – 20/6/1997	<u>BSc Thesis,</u> [1994], National Kapodistrian University of Athens/ Informatics & Telecommunications department. Title: *«Evaluation of Petri-nets processing software: PROD, LOOPN, CABERNET»*. Supervisor ass. Prof. Afrodite TSALGATIDOU.

8. PUBLICATIONS

8.I Articles in international journals with review

After the election as full professor:

[8.I.1.]	Μαρκούζης, Δ., Φεσάκης, Γ. (2023 εγκρίθηκε για δημοσίευση). Ανάπτυξη ψηφιακών παιχνιδιών επαυξημένης πραγματικότητας σε φορητές συσκευές για την ανάπτυξη της χωρικής ικανότητας των νηπίων με τη χρήση χάρτη, *Έρευνα στη Διδακτική των Μαθηματικών*, https://ejournals.epublishing.ekt.gr/index.php/enedim
[8.I.2.]	Markouzis, D., Baziakou, A., Fesakis, G., & Dimitracopoulou, A. (2022). A Systematic Review on Augmented Reality Applications in Informal Learning Environments. *International Journal of Mobile and Blended Learning (IJMBL)*, *14*(4), 1-16.
[8.I.3.]	Barlovits S, Caldeira A, Fesakis G, Jablonski S, Koutsomanoli Filippaki D, Lázaro C, Ludwig M, Mammana MF, Moura A, Oehler D-XK, Recio T, Taranto E, Volika S. Adaptive, Synchronous, and Mobile Online Education: Developing the ASYMPTOTE Learning Environment. Mathematics. 2022; 10(10):1628. https://doi.org/10.3390/math10101628

After the election as associate professor:

[8.I.4.]	Frantzeskaki, K., Kafousi, S., Fessakis, G. (2020). Developing preschoolers' combinatorial thinking with the help of ICT: the case of arrangements, The International Journal for Technology in Mathematics Education, 27(3), http://blogs.exeter.ac.uk/ijtme/
[8.I.5.]	Fessakis, G., & Prantsoudi, S. (2019). Computer Science Teachers' Perceptions, Beliefs and Attitudes on Computational Thinking in Greece. Informatics in Education, 18(2), 227-258.
[8.I.6.]	Fessakis, G., Komis, V., Dimitracopoulou, A., Prantsoudi, St., (2019) Overview of the Computer Programming Learning Environments for primary education, *Review of Science, Mathematics and ICT Education (Re S M ICT E)*, 13(1), pp. 7-33
[8.I.7.]	Spyrou, Sp. Fesakis, G. (2019). Managing Change and Innovation in the School Unit: The Case of Utilizing Augmented Reality Applications and Books, *Themes in Science and Technology Education*, 12(2), pp.77-99 – *(in Greek)*
[8.I.8.]	Frantzeskaki, K., Kafousi, S., Fessakis, G. (2018). Developing preschoolers' combinatorial thinking with the help of ICT: Production of arrangements with repetition, *HMS-EUCLID c'*, Issue 88, 1-30. [in Greek]

[8.I.9.]	Fesakis, G., Karta, P., & Kozas, K. (2018). Designing Math Trails for Enhanced by Mobile Learning Realistic Mathematics Education in Primary Education. *International Journal of Engineering Pedagogy*, 8(2), 49-63.
[8.I.10.]	Fesakis, G., Kirodimou, E., (2016). Improving the teachers' understanding of complex systems through dynamic systems modelling and problem solving, Hellenic Mathematics Society - *International Journal of Mathematics in Education* (HMS i JME), Volume 7. 2015 - 2016 pp. 63-96
[8.I.11.]	Markouzis, D., & Fessakis, G. (2016). Rapid Prototyping of Interactive Storytelling and Mobile Augmented Reality Applications for Learning and Entertainment – The case of "k-Knights." *International Journal of Engineering Pedagogy (iJEP), 6*(2), 30-38. https://doi.org/10.3991/ijep.v6i2.5560

After the election as assistant professor:

[8.I.12.]	Fessakis, G., Theodoridou, S., Roussou, M. (2014). Teacher professional development program in Online Communities of Practice pedagogical model, *The International Journal of Technologies in Learning*, 20(3), pp. 61-79
[8.I.13.]	Theofanelis T., Karakiza, T., Fessakis G., (2013). Use of wiki as a tool to implement a web-based community of practice, Open Education - *The Journal for Open and Distance Education and Educational Technology*, 9(1), pp.:94-105
[8.I.14.]	Fessakis, G., Gouli, E., & Mavroudi, E., (2013). Problem solving by 5–6 years old kindergarten children in a computer programming environment: A case study. *Computers & Education*, 63, 87–97. doi:10.1016/j.compedu.2012.11.016
[8.I.15.]	Fessakis, G., Dimitracopoulou, A., Palaiodimos, A., (2013). Graphical Interaction Analysis Impact on Groups Collaborating through Blogs, *Journal of Educational Technology & Society*, 16(1), pp.:243-253
[8.I.16.]	Fessakis, G. & Zoumpatianou, M. (2012). Wikipedia uses in learning design. Literature review. *Themes in Science and Technology Education*, 5(1/2), pp. 97-106.
[8.I.17.]	Fesakis G., & Karakiza, T. (2011). Pedagogical beliefs and attitudes of Computer Science teachers in Greece. *Themes in Science and Technology Education*, 4(2), pp. 75-88.

After the election as lecturer:

[8.I.18.]	Fesakis G., Sofroniou C., Mavroudi E., (2011). Using internet for communicative learning activities in kindergarten: The case of the "Shapes planet", *Early Childhood Education Journal (ECEJ)*, 38(5), Springer Netherlands, pp.: 385-392.

[8.I.19.]	Fesakis G., Kafousi S., Malisiova E., (2011). Intuitive conceptions of kindergarten children about the total of two dice problem, through the use of a microworld, *The International Journal for Technology in Mathematics Education*, 18(2), University of Plymouth, pp.: 61-70
[8.I.20.]	Fesakis G., Kafousi S., Malisiova E., (2011). Building intuitive stochastic concepts using a microworld for the two dice sum problem, *Research in Mathematics Education*, 6, ENEDIM, pp.: 11-37 (in Greek)
[8.I.21.]	Fesakis G., Sofroniou C., (2010). Mathematical communication and collaboration activities through the internet for kindergarten children. The case of "Shapes planet", *THEMES of Science and Technology in Education*, 3(1), Kleidarithmos Publications, pp.: 31-48 (in Greek)
[8.I.22.]	Skoumpourdi C., Fesakis G., Kafoussi S., Kalavasis F., (2010). The advancing complexity of research tools for Mathematics Education, *"Euclides γ'"* journal of Greek Mathematical Association, 75, EME, pp.: 57-76 (in Greek)
[8.I.23.]	Fesakis G., (2009). Kindergarten children access and practices with ICT outside school, *THEMES of Science and Technology in Education*, 2(1-2), Kleidarithmos Publications, pp. 5-27 (in Greek)
[8.I.24.]	Fesakis G., Konsolas M., Mavroudi E., (2009). Quality characteristics of e-learning programs using internet for primary and secondary education, *THEMES of Science and Technology in Education*, 1(3), Kleidarithmos Publications, pp. 91-118 (in Greek)
[8.I.25.]	Fessakis G., Dimitracopoulou A., Tatsis K., (2008). Supporting "Learning by Design" Activities Using Group Blogs, *Journal of Educational Technology and Society,* 11(4). pp.199-212
[8.I.26.]	Fessakis G., Tasoula E., (2006). Design of a computer controlled robotic device for the construction of mathematical and spatial concepts for preschoolers**,** *"Astrolavos"* Journal of Greek Mathematical Society, Vol 6, July-December 2006, pp. 33-54 (in Greek)

Before the election as lecturer:

[8.I.27]	Fessakis G., Dimitracopoulou A., (2006). Review of educational environments for programming: Technological and Pedagogical Dimensions, *journal THEMES in education*, 7(3), pp. 279-304 (in Greek)
[8.I.28]	Fessakis G., Dimitracopoulou A., Komis V. (2005). Improving database design teaching in secondary education: Action research implementation for documentation of didactic requirements and strategies, *Computers in Human Behavior*, 21(2), pp. 159-194
[8.I.29]	Tsalgatidou A., Louridas P., Fesakis G., Schizas T. (1996*).* Multilevel Petri Nets for Modeling and Simulating Organizational Dynamic Behavior, *Simulation & Gaming*, Special Issue: Simulation of Information Systems, Part 1 December 1996, 27(4), pp. 484-506

8.II Articles in the proceeding of international conferences with review

After the election as full professor

[8.II.1.]	Fesakis, G., Triantafyllou, S., Tzioufas, N., Koutsomanoli-Filippaki, D., & Volika, S. (2023). A Case Study for the Pedagogical Evaluation of the ASYMPTOTE System. In M. Ludwig, S. Barlovits, A. Caldeira, & A. Moura (Eds.), *Research On STEM Education in the Digital Age. Proceedings of the ROSEDA Conference* (pp. 153-160). WTM. https://doi.org/10.37626/GA9783959872522.0.18
[8.II.2.]	Taranto, E., Barlovits, S., Fesakis, G., Triantafyllou, S., Tzioufas, N., Koutsomanoli-Filippaki, D., Volika, S., Mammana, M. F., & Ludwig, M. (2023). The Effect of Teacher Trainings on the Acceptance and Perception of the ASYMPTOTE System. In M. Ludwig, S. Barlovits, A. Caldeira, & A. Moura (Eds.), *Research On STEM Education in the Digital Age. Proceedings of the ROSEDA Conference* (pp. 169-176). WTM. https://doi.org/10.37626/GA9783959872522.0.20
[8.II.3.]	Tsigaros, T., Fesakis, G, & Andreadakis N. (2022). Predicting students' performance with Machine Learning algorithms applied to Learning Management Systems log data. Presentation at EADTU, Innovating Higher Education 2022, *Digital Reset: European Universities Transforming for a Changing World*, Athens 19-21 OCT 2022, https://i-he2022.exordo.com/programme/presentation/43
[8.II.4.]	Mammana, M. F., Taranto, E., Filippaki, D. K., & Fesakis, G. (2022, September). ASYMPTOTE: A tool for teaching and learning mathematics online. In *Book of Abstracts* (p. 129).
[8.II.5.]	Lappas, D., Fessakis, G., & Karampelas, P. (2022, June). Recognizing the Threats of Drone Surveillance. A Case Study. In 2022 IEEE 14th Image, Video, and Multidimensional Signal Processing Workshop (IVMSP) (pp. 1-5). IEEE.
[8.II.6.]	Barlovits, S., Ludwig, M., Fesakis, G., & Kolokytha, A. (2022, February). Designing mobile environments for mathematics distance education: The theory-driven development of the ASYMPTOTE system. In Twelfth Congress of the European Society for Research in Mathematics Education.
[8.II.7.]	Fesakis, G., & Prantsoudi, S. (2021, November). Raising Artificial Intelligence Bias Awareness in Secondary Education: The Design of an Educational Intervention. In ECIAIR 2021 3rd European Conference on the Impact of Artificial Intelligence and Robotics (p. 35). Academic Conferences and publishing limited.
[8.II.8.]	Tsigaros, T., Fesakis, G. (2021). E-assessment and Academic Integrity: A Literature Review. In: Reis, A., Barroso, J., Lopes, J.B., Mikropoulos, T., Fan, CW. (eds) Technology and Innovation in Learning, Teaching and Education. TECH-EDU 2020. Communications in Computer and Information Science, vol 1384. Springer, Cham. https://doi.org/10.1007/978-3-030-73988-1_24

After the election as associate professor

[8.II.9]	Lappas, D., Karampelas, P., Fessakis, G., 2019, August. The Role of Social Media Surveillance in Search and Rescue Missions. In 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) Vancouver, Canada, 27-30/AUG/2019 (pp. 1105-1111). IEEE.
[8.II.10]	Lantavou, O., & Fesakis, G. (2018, October). The Effect of an Augmented Reality Board Game on English Vocabulary Development. In ECGBL 2018 12th European Conference on Game-Based Learning, 4 - 5 October 2018, Sophia Antipolis, France (p. 316). Academic Conferences and publishing limited.
[8.II.11]	Konstantopoulou, A. Nikolaou, E., Fesakis, G., Volika, S. Markogiannakis, G. (2018). Designing interactive digital storytelling as a strategy of raising children's awareness of bullying in preschool education: implications for bullying prevention., International Digital Storytelling Conference 2018, 21-23 September 2018, Zakynthos Island, Greece, https://dst.ntlab.gr/
[8.II.12]	Volika, S., & Fesakis, G. (2018, June). To What Extent Is the Use of Interaction Models as Design Patterns Supported by Current e-Learning Authoring Tools? A Comparative Analysis. In International Conference on Technology and Innovation in Learning, Teaching and Education Education - TECH-EDU 2018, Special Track eLearning 2.0: Trends, challenges and innovative perspectives, 20-22 June 2018, of Thessaloniki, Greece, (pp. 49-61). Springer, Cham.
[8.II.13]	Fessakis, G., Mavroudi, E., Prantsoudi, S. (2017). Current conception of Computational Thinking at the K-12 classroom level curriculum. Poster presented at ISSEP 2017, 13-15 NOV 2017, University of Helsinki, Finland, http://issep2017.cs.helsinki.fi/pages/
[8.II.14]	Fessakis, G., Karta, P., & Kozas, K. (2017, September). The Math Trail as a Learning Activity Model for M-Learning Enhanced Realistic Mathematics Education: A Case Study in Primary Education. In International Conference on Interactive Collaborative Learning – ICL2017, 27-29 September 2017, at Aquincum Hotel, Budapest, Hungary (pp. 323-332). Springer, Cham.
[8.II.15]	Fessakis, G., Bekri, A., F., Konstantopoulou, A., (2016) Designing a mobile game for spatial and map abilities of kindergarten children, In Th. Connoly and L. Boyle (Eds.) Proceeding of the 10th European Conference on Games Based Learning (ECGBL 2016), 6-7 Oct 2016, The University of the West of Scotland, Paisley, Scotland, Reading UK:Academic Conferences and Publishing International Limited, pp. 183-191

After the election as assistant professor

[8.II.16]	Markouzis, D., Fessakis, G. (2015). Interactive Storytelling and Mobile Augmented Reality Applications for Learning and Entertainment – A rapid prototyping perspective, Accepted for publication as full paper in the *proceedings of the 9th International Conference on Interactive Mobile Communication, Technologies and Learning (IMCL2015)*, 19-20 November 2015, Thessaloniki, Greece, Organized by Aristotle University of Thessaloniki and the International Association of Online Engineering (IAOE). Best paper award for IMCL2015, invited submission on International Journal of Engineering Pedagogy (iJEP)
[8.II.17]	Markouzis, D., Fessakis, G. (2015). Enriching the city environment with mobile Augmented Reality edutainment applications for residents and tourists: The case of "Roads of Rhodes" game, In I. Theona & D. Charitos (Eds.) *Proceedings of the 3rd International Biennial Conference, Hybrid City 2015: Data to the people*, 17-19 Septembet 2015, Athens, Greece, ISBN 978-960-99791-2-2, pp.: 290-297, University Research Institute of Applied Communication (URIAC), National and Kapodistrian University of Athens
[8.II.18]	Lappas, D., Fessakis, G., (2014). Fostering creativity in computer supported collaborative learning activities, In *Proceedings of 8th International Technology, Education and Development Conference (INTED2014)*, Valencia, 10th - 12th March 2014, ISBN: 978-84-616-8412-0, p. 5686-5694.
[8.II.19]	Fessakis G. Lappas D., (2013). Cultivating Preschoolers Creativity Using Guided Interaction with Problem Solving Computer Games, In C. Carvallo and P. Escudeiro (eds.), *Proceedings of the 7th European Conference on Games Based Learning (ECGBL2013)*, Vol. 2, 2-4 October 2013, Porto, Portugal, pp.: 763-770. Academic Conferences International Limited.
[8.II.20]	Fessakis, G., Kladogenis, D., Markouzis, D., (2012). Training mixed groups of teachers and students in educational robotics using the studio pedagogical model, In C., Kynigos, J., Clayson, & N., Yiannoutsou (eds.), *Proceedings of CONSTRUCTIONISM 2012*, Conference, August 21-25, Athens, Greece. pp.: 260-269, Available online at http://constructionism2012.etl.ppp.uoa.gr/?pid=31
[8.II.21]	May, M., Fessakis, G., Dimitracopoulou, A., George, S. (2012). A Study on User's Perception in E-learning Security and Privacy Issues, In the *Proceedings of 12th IEEE International Conference on Advanced Learning Technologies*, pp.:88-89, July 4-6, 2012, Rome, Italy, doi:10.1109/ICALT.2012.145
[8.II.22]	Fessakis, G., Thoma, R., (2012). Can digital games democratize access to mathematics learning? Tracing the relationship between learning potential and popularity. In S. Kafoussi, C. Skoumpourdi, & F. Kalavasis (Eds.), *Proceedings of the CIEAM64: Mathematics Education and Democracy: learning and teaching practices* Conference, Rhodes, Greece, 23-27 July 2012, *International Journal for Mathematics in Education (HMS i JME)*, Special Issue, Vol. 4, 2012, ISSN: 1791-6321, pp.: 243-248.

[8.II.23]	Fessakis, G. (2012). ICT enhanced Data and Graphs comprehension activities in the kindergarten. Preparing the citizens of modern democracies. In S. Kafoussi, C. Skoumpourdi, & F. Kalavasis (Eds.), *Proceedings of the CIEAM64: Mathematics Education and Democracy: learning and teaching practices* Conference, Rhodes, Greece, 23-27 July 2012, *International Journal for Mathematics in Education (HMS i JME)*, Special Issue, Vol. 4, 2012, ISSN: 1791-6321, pp.: 238-242.

After the election as lecturer:

[8.II.24]	Provelengios, P., Fesakis G. (2011). Educational applications of Serious Games: The case of the game "Food Force" in primary education students, In *Proceedings of the 5th European Conference on Games Based Learning (ECGBL 2011)*, Athens, Greece, 20-21 October 2011, pp. 476-485
[8.II.25]	Fessakis, G., Dimitracopoulou, A., Palaiodimos, A., (2011). The impact of interaction analysis graphs on groups during online collaboration through blogs according to the "learning by design" scenario, In H., Spada, G., Stahl, N., Miyake & N., Law, (eds.), *Proceedings of the ISLS-CSCL2011* conference, Hong Kong, China, 4-8 July, 2011, Vol. II, pp. 741-745
[8.II.26]	Fesakis G., Kafoussi S. (2009). Kindergarten children capabilities in combinatorial problems using computer microworlds and manipulatives, In M., Tzekaki, M., Kaldrimidou, & C., Sakonidis, (Eds.), *Proceedings of the 33rd Conference of the International Group for the Psychology of Mathematics Education, IGPME (PME33)*, 19-24 July, 2009, Thessaloniki, Greece: PME, Vol. 3, pp. 41-48
[8.II.27]	Fesakis G., Serafeim K. (2009). Influence of the Familiarization with "Scratch" on Future Teachers' Opinions and Attitudes about Programming and ICT in Education, In *proceedings of the 14th Annual ACM SIGCSE Conference on Innovation and Technology in Computer Science Education. (ITiCSE-2009)*, Paris, France, 6-8 July, 2009, Vol II, ACM, New York, NY, USA, pp. 258-262
[8.II.28]	Fesakis G., Dimitracopoulou A. (2009). Proposing "collaborative filtering" to foster collaboration in ScratchR Community, in Cl., O'Malley, et. al. (Eds.), *proceedings of ISLS-CSCL2009* conference, Rhodes, 08-13 June 2009, Vol II, pp. 168-170
[8.II.29]	Fesakis G., Tatsis K., & Dimitracopoulou A. (2008). Collaborative learning by design through group blogging, in M. B. Nunes, M. MacPherson (Eds.), *proceedings of IADIS-e-learning conference*, Amsterdam, 22-25 July 2008, Vol. I, pp. 255-262

Before the election as lecturer:

[8.II.30]	Fessakis G., Petrou A., Dimitracopoulou A., (2004). Synchronous computer-mediated collaborative activities among collocated students: Conditions that make them valuable in every-day educational practice, In P. Dillenbourg (Ed.), *CSCL SIG European Symposium*, 7-9, October 2004, EPFL/CRAFT Lausanne, Switzerland, 16 p., Διαθέσιμο στη δνση: http://hal.archives-ouvertes.fr/hal-00190691/
[8.II.31]	Fessakis G., Petrou A. & Dimitracopoulou A. (2004). Collaboration Activity Function: An interaction analysis' tool for Computer Supported Collaborative Learning activities, In Kinshuk et. al. (Eds.), *Proceedings of 4th IEEE International Conference on Advanced Learning Technologies (ICALT 2004)*, August 30 - Sept 1, 2004, Joensuu, Finland, IEEE Computer Society Editions, pp. 196-201.
[8.II.32]	Fessakis, G., Dimitracopoulou, A., Halatsis, C., (2003). Secondary education students' database design difficulties and remedial teaching strategies, In A. M. Vilas, J.A. M. Gonzalez, J. M. Gonzalez (Eds.), *Proceedings of Advances in Technology-Based Education: Toward a Knowledge-Based Society. II International conference on multimedia ICT's in Education,* Badajoz, Spain, December 3-6 2003, Edition: Junta de Extremadura, Consejeria de Education, Volumes: I-III, Collection, Vol. 2, pp. 1002-1006.
[8.II.33]	Dimitracopoulou, A., Fessakis, G., Melendez R, Gallego B., (2003). Collaborative learning environment and Modelling Activities in primary and secondary education: The ModellingSpace Project, In A. M. Vilas, J.A. M. Gonzalez, J. M. Gonzalez (Eds.), *Proceedings of Advances in Technology-Based Education: Toward a Knowledge-Based Society. II International conference on multimedia ICT's in Education*, Badajoz, Spain, Dec 3-6 2003, Edition: Junta de Extremadura, Consejeria de Education, Volumes: I-III, Collection. Vol. 2, pp.: 1276-1280.
[8.II.34]	Fessakis, G., Dimitracopoulou, A., (2003). Exploitation of data modeling for database design in secondary education learning activities: A case study concerning real stories analysis, In M., Auer, & U., Auer, (Eds.), *Proceedings of the Interactive Computer Aided Learning (ICL2003)*, Carinthia Tech Institute, 24-26 Sep 2003 Villach, Austria., Kassel University press, ISBN: 3-89958-029-X
[8.II.35]	Halatsis, C., P. Stamatopoulos, I. Karali, T. Bitsikas, G. Fessakis, A. Schizas, S. Sfakianakis and C. Fouskakis. (1996). Crew Scheduling Based on Constraint Programming: The PARACHUTE Experience, *In Proceedings of the 3rd Hellenic-European Conference on Mathematics and Informatics HERMIS'96*, pp. 424-431.

8.III Speeches in international conferences with review

After the election as assistant professor:

[8.III.1]	Fessakis, G. (2014). The Online Communities of Practice as an organizational pattern for intelligent educational units and as a pedagogical model for teachers' training, Invited Keynote Speech, 3rd International Conference "Schools as Learning Organizations:

	Approaches and Applications", 12-14 September 2014, Athens Municipality Cultural Center, Organized by University of Patras/Department of Primary Education/ Laboratory of Research in Mathematics Teaching
[8.III.2]	Fessakis, G. (2014). The systemic approach and Computer Science in education. Theoretical approaches to Computer Science and ICT in education, misconceptions and historical development, 7th Scientific Conference on History of Education with International Participation: "What knowledge is of most worth? Historical-comparative approaches", 28-29 June 2014, University of Patras, Department of Primary Education/Laboratory of Modern Greek & International Education's Historical Archive, organized by Prof. Sifis Bouzakis
[8.III.3]	Fessakis G., Theodoridou S., Roussou M., (2013). The design and implementation of a professional development program for in service teachers about cultivation of online communities of practice. The case of the school-gardeners community, *Twentieth International Conference on Learning*, July, 11-13, 2013 at the University of the Aegean, Rhodes, Greece. (http://thelearner.com/the-conference/)

Before the election as lecturer:

[8.III.4]	Fessakis G., Dimitracopoulou A., (2006). Implementing Inquiry Learning activities in computer science secondary education. A case study concerning database design for real stories analysis, "Inquiry Learning, building bridges to practice", May, 29-31, 2006 at the University of Twente, The Netherlands.
[8.III.5]	Fessakis G., Kalavasis F., Dimitracopoulou A., (2001), Reflection on educational modeling in response of a simple problem by students of the 12th grade, "8th Learning Conference", 4-8 July 2001 at Spetses Island Greece. Royal Melbourne Institute of Technology & University of Athens/Department of Early Childhood Education.
[8.III.6]	Fessakis. G., (1998). Information Technology and Educational Research, *International Congress Sustainable Development in the Islands and the role of Research and Higher Education* held in Rhodes-Greece, 30 April - 4 May 1998

8.IV Articles in Greek conferences with review

After the election as full professor:

[8.IV.1]	Markogianakis, G., Fesakis, G. (2023). The use of digital technologies by preschool children outside of school and the effects on their play. The investigation of the developmental effects., at the 13th Panhellenic Conference of OMER "Understanding and promoting children's play in the 21st century for a better future", 26, 27 & 28 May 2023, Aristotelian University of Thessaloniki, Thessaloniki, https://www.omep.gr/13-συνέδριο.html

[8.IV.2]	Liapi A., Koutsomanoli Filippaki D., Fesakis G. (2022). Design of technologically enhanced learning activities with tactile interfaces for Mathematics in Kindergarten. In the proceedings of the 7th Conference "Integration and useof ICT in the educational practice", workshop session presented at 16-18 SEP 2022, organized by Hellenic Association of ICT in Education (HAICTE), at the University of Patras, Patra, Greece
[8.IV.3]	Prantsoudi St., Fesakis G. (2021). Teachers' professional development for Computational Thinking Education: Literature review. In the proceedings of the 10th Hellenic and International Conference, "Informatics Education", organized by Hellenic Association of ICT in Education (HAICTE), 14-16 MAY 2021, online at University of the West Macedonia, Florina, Greece
[8.IV.4]	Markouzis D., Fesakis G. (2021). Design of an augmented reality game for the development of the map using capability in the kindergarten. In the proceedings of the 12th Hellenic and International Conference, "ICT in Education", organized by Hellenic Association of ICT in Education (HAICTE), 14-16 MAY 2021, online at University of the West Macedonia, Florina, Greece
[8.IV.5]	Kozas K., Fesakis G., Liarakou G., (2021). Investigating the design of augmented reality enhanced mobile learning scenarios by untrained Teachers. In the proceedings of the 12th Hellenic and International Conference, "ICT in Education", organized by Hellenic Association of ICT in Education (HAICTE), 14-16 MAY 2021, online at University of the West Macedonia, Florina, Greece
[8.IV.6]	Kritikos G., Fesakis G. Dimitrakopoulou D. (2020). STEAM technology learning environment focused on teaching magnetism in Kindergarten. In the 11th Conference "Science in Early Childhood Education", 6-8 Nov 2020, University of Ioannina, Greece.

After the election as associate professor:

[8.IV.7]	Fessakis, G., Prantsoudi, St., Komis, V., Papanikolaou, K. Dimitracopoulou, A. (2019). The Importance of Computational Thinking Integration in Education and the Bebras-GR Competition as a CT Promotion Initiative in Greece, <u>Invited Keynote</u> at the *10th Pan-Hellenic Teachers' Conference for ICT - Utilizing Information and Communication Technologies in Teaching*, that took place in Rhodes, 12, 13, 14 April 2019, e-diktyo
[8.IV.8]	Syrgiannis, Ch., Giovanoudi, L., Kozas, K., Fessakis, G. (2019). Treasure hunt with QR codes in the valley of the butterflies in Rhodes, *10th Pan-Hellenic Teachers' Conference for ICT - Utilizing Information and Communication Technologies in Teaching*, that took place in Rhodes, 12, 13, 14 April 2019, e-diktyo
[8.IV.9]	Laos, D., Fessakis, G. (2019). Education in School Leadership Using Digital Simulations and Games: Inquiring the Reception by the Teachers, *10th Pan-Hellenic Teachers' Conference for ICT - Utilizing Information and Communication Technologies in Teaching*, that took place in Rhodes, 12, 13, 14 April 2019, e-diktyo

[8.IV.10]	Kozas, K., Syrgiannis, Ch., Giovanoudi, L., Fessakis, G. (2019). The interactive augmented reality poster of the *Environmental Education Center of Butterflies Rhodes*. A tutorial scenario with a variety of application capabilities. *10th Pan-Hellenic Teachers' Conference for ICT - Utilizing Information and Communication Technologies in Teaching*, that took place in Rhodes, 12, 13, 14 April 2019, e-diktyo
[8.IV.11]	Kozas, K., Fessakis, G., Syrgiannis, Ch. (2018). Design and evaluation of an interactive augmented reality poster for Environmental Education. A case study at the Environmental Education Center of Butterflies Rhodes. In Skoumpourdi, Ch., Skoumios, M. (eds.) *Proceedings of the 3rd Pan-hellenic Conference with International Participation «Educational Material for Mathematics and Natural Sciences: Different uses, cross-learning paths»*, Rhodes, 9-11/11/2018, pp. 156-165.
[8.IV.12]	Prantsoudi, St., Fessakis, G., Mavroudi, E. (2018). Perceptions, beliefs and attitudes of Computer Science Teachers in Greece about Computational Thinking. In Dimitriadis, St., Dagdilelis, V., Tsiatsios, Th., Magnisalis, I., Tzimas, D. (eds), *Proceedings of the 9th Pan-Hellenic Conference "Computer Science Education"*, AUTH, Thessaloniki, 19/10/2018 - 21/10/2018, ISBN: 978-618-83186-1-8, pp. 86-93
[8.IV.13]	Savvidaki, A., Fesakis, G. (2018). Teaching Basic Concepts of Complex Dynamic Systems to High School Students with NetLogo, In Dimitriadis, St., Dagdilelis, V., Tsiatsios, Th., Magnisalis, I., Tzimas, D. (eds), *Proceedings of the 9th Pan-Hellenic Conference "Computer Science Education"*, AUTH, Thessaloniki, 19/10/2018 - 21/10/2018, ISBN: 978-618-83186-1-8, pp. 46-53
[8.IV.14]	Stati, F., Kaltekis, G., Fesakis, G. (2018). The Goldberg machines in the didactic approach of Educational Robotics: Views of teachers, In Dimitriadis, St., Dagdilelis, V., Tsiatsios, Th., Magnisalis, I., Tzimas, D. (eds), *Proceedings of the 9th Pan-Hellenic Conference "Computer Science Education"*, AUTH, Thessaloniki, 19/10/2018 - 21/10/2018, ISBN: 978-618-83186-1-8, pp. 54-61
[8.IV.15]	Markouzis, D., Fesakis, G., Kontantopoulou, A. (2018). Developing Spatial and Computational Thinking Through Computer Programming in Kindergarten, In Dimitriadis, St., Dagdilelis, V., Tsiatsios, Th., Magnisalis, I., Tzimas, D. (eds), *Proceedings of the 9th Pan-Hellenic Conference "Computer Science Education"*, AUTH, Thessaloniki, 19/10/2018 - 21/10/2018, ISBN: 978-618-83186-1-8, pp. 102-109

Best Conference Paper Award |
| [8.IV.16] | Fesakis, G., Kozas, K., Bruns, R., Lamprianou, S., Malliarakis, Ch. (2018). Design and evaluation of an augmented reality serious game for the Knights Street in Rhodes, In Dimitriadis, St., Dagdilelis, V., Tsiatsios, Th., Magnisalis, I., Tzimas, D. (eds), *Proceedings of the 9th Pan-Hellenic Conference "Computer Science Education"*, AUTH, Thessaloniki, 19/10/2018 - 21/10/2018, ISBN: 978-618-83186-1-8, pp.339-346 |

[8.IV.17]	Savvidaki, A., Fesakis, G. (2017). Exploiting the Multi-Agent Environment of NetLogo in Teaching Complex Dynamic Systems in Secondary Education, In Tzimopoulos, N., Roumelis, N. (eds), *Proceedings of the 9th Pan-Hellenice Teachers' Conference "Integration and use of ICT in educational process",* Syros, 28-30 April 2017
[8.IV.18]	Panou-Papatheodorou, E., Fesakis, G. (2017). Serious Digital Games through Mobile Technology in Foreign Language Teaching: An Overview of Educational Research, In Tzimopoulos, N., Roumelis, N. (eds), *Proceedings of the 9th Pan-Hellenice Teachers' Conference "Integration and use of ICT in educational process",* Syros, 28-30 April 2017
[8.IV.19]	Diamantara, A., Varsamou, A., Fesakis, G. (2017). Design of an Educational Interactive Storytelling for the Light section in Primary School, In Papanikolaou, K., Gogoulou, A, Zympidis, D., Ladias, A., Tzortzakis, I., Bratitsis, Th., Panagiotakopoulos, Ch. (eds), *Proceedings of the 5th Pan-Hellenic Conference "Integration and use of ICT in educational process",* pp. 417-429, SPETE, 21-23 April 2017. ISSN 2529-0924, ISBN 978-618-83186-0-1.
[8.IV.20]	Tsafou-Apostolopoulou, D., Fesakis, G. (2017). An interdisciplinary approach to the concept of patterns for kindergarten children through ICT, Literature and Music: The digital game "House of Music". In Papanikolaou, K., Gogoulou, A, Zympidis, D., Ladias, A., Tzortzakis, I., Bratitsis, Th., Panagiotakopoulos, Ch. (eds), *Proceedings of the 5th Pan-Hellenic Conference "Integration and use of ICT in educational process",* pp. 467-478, SPETE, 21-23 April 2017. ISSN 2529-0924, ISBN 978-618-83186-0-1.
[8.IV.21]	Giannakopoulos, P., Fesakis, G. (2017). Building pre-algebraic concepts through generalization of digital patterns: Case Study on 5th and 6th Grade Students, In Papanikolaou, K., Gogoulou, A, Zympidis, D., Ladias, A., Tzortzakis, I., Bratitsis, Th., Panagiotakopoulos, Ch. (eds), *Proceedings of the 5th Pan-Hellenic Conference "Integration and use of ICT in educational process",* pp. 171-182, SPETE, 21-23 April 2017. ISSN 2529-0924, ISBN 978-618-83186-0-1.
[8.IV.22]	Katsilli, M., Fesakis, G., Giannakopoulos, P. (2017). Study of the Effect of a teaching intervention with the Tinkerplots Software on the ability to Understand Statistical Graphs, In Zachariadis, Th., Potari, D., Psycharis, G. (eds). Proceedings of the 7th Pan-Hellenic Conference of ENEDIM, NKUA, Athens, 1-3 December 2017, pp. 406-416
[8.IV.23]	Frantzeskaki, K., Kafoussi, S., Fesakis, G. (2016). Designing synthetic learning activities for Mathematics and ICT in preschool children: combinatorics and microcosm. *2nd Pan-Hellenic Conference with International Participation «Educational Material for Mathematics and Natural Sciences»,* Rhodes, 14-16 October 2016, pp. 176-185
[8.IV.24]	Fesakis, G., Mpekri, A., Konstantopoulou, A. (2016). Design of a mobile game for the development of spatial and map concepts on kindergarten children, *2nd Pan-Hellenic Conference with International Participation «Educational Material for Mathematics and Natural Sciences»,* Rhodes, 14-16 October 2016, pp. 206-215

[8.IV.25]	Fesakis, G., Michalopoulou, M., Tsimpli, P. (2017). Intensive Teachers' Training Program in Digital Interactive Storytelling: Design and evaluation of the first application. In Mikropoulos, N. Papachristos, A. Tsiara, P. Chalki (eds.), *Proceedings of the 10th Pan-Hellenic and International Conference "ICT in Education",* Ioannina: HAICTE. 23-25 September 2016. ISSN 2529-0916, ISBN 978960-88359-8-6.
[8.IV.26]	Fesakis, G., Voulgaridou, I., Lazakidou, G. (2016). Creating an online learning community within the mixed e-learning model. In T. A. Mikropoulos, N. Papachristos, A. Tsiara, P. Chalki (eds.), Proceedings of the 10th Pan-Hellenic and International Conference "ICT in Education", Ioannina: HAICTE. 23-25 September 2016. ISSN 2529-0916, ISBN 978960-88359-8-6
[8.IV.27]	Markouzis, D., Fesakis, G. (2016). Interactive storytelling and mobile augmented reality applications for entertainment and learning: the case of the "Rhodes K-Nights" game. In Mikropoulos, N. Papachristos, A. Tsiara, P. Chalki (eds.), Proceedings of the 10th Pan-Hellenic and International Conference "ICT in Education", Ioannina: HAICTE. 23-25 September 2016, σελ. 245-253. ISSN 2529-0916, ISBN 978-960-88359-8-6
[8.IV.28]	Fesakis, G., Mavroudi, E., Prantsoudi, St. (2016). Current trends and issues for computer programming in pre-school and first school age. In Mikropoulos, T.A., Tsiara, A., Chalki, P. (eds), *Proceedings of the 8th Pan-Hellenic Conference "Computer Science Education",* Ioannina, ETPE. 23-25 September 2016. ISSN 2529-0908, ISBN 978-960-88359-9-3.
[8.IV.29]	Kyrodimou, E., Fesakis, G., Flogaiti, E. (2015). Systemic Dynamics in Education for the Environment and Sustainability, In Mardiris, Th., Grigoriou, M. (eds), Proceedings of the 7th Conference of P.E.EK.P.E: «Environmental Education and Sustainability Education. Changing attitudes and behaviors through educational programs, research, school networks, actions and activities in Greece", Volos, 8-10 May 2015, ISBN: 978-960-86120-6-8

After the election as assistant professor:

[8.IV.30]	Konstantopoulou, An., Fessakis, G. (2015). Planning of learning activities for map concepts with ICT for preschool and primary school children, in the *proceedings of the 4th Pan-Hellenic Scientific Conference 'Integration and use of ICT in educational process'*, HCICTE, 30 October-1 November 2015, Thessaloniki.
[8.IV.31]	Fessakis G. (2014). Virtual and conventional haptic material in learning and teaching mathematics: Theoretical analysis, <u>Invited keynote paper </u>in Ch. Skoumpourdi & M. Skoumios (Eds.), *Proceedings of the 1st Pan-Hellenic Conference with international participation for Educational Material in Mathematics and Science Education*, Rhodes, 17-18 October 2014, University of the Aegean, pp.: 72-105

[8.IV.32]	Fessakis G., Theodoridou S., Roussou M. (2014). Teachers' professional development program for use of Online Communities of Practice, in P. Anastasiades, N. Zaranis, V. Economides & M. Kalogiannakis (Eds.), *Proceedings of 9th Pan-Hellenic Conference with International participation 'ICT in Education'*, University of Crete, Rethymno, 3-5/10/2014
[8.IV.33]	Markouzis D., Fessakis G., (2014). Review of educational research on serious games in formal education, in P. Anastasiades, N. Zaranis, V. Economides & M. Kalogiannakis (Eds.), *Proceedings of 9th Pan-Hellenic Conference with International participation 'ICT in Education'*, University of Crete, Rethymno, 3-5 October 2014, pp.: 358-365
[8.IV.34]	Fessakis, G., Lappas, D. (2014). Enhancing Creativity in Cooperative Learning Activities Supported by ICT, in P. Anastasiades, N. Zaranis, V. Economides & M. Kalogiannakis (Eds.), *Proceedings of 9th Pan-Hellenic Conference with International participation 'ICT in Education'*, University of Crete, Rethymno, 3-5/10/2014
[8.IV.35]	Mavroudi, E., Petrou, Ar., Fessakis, G., (2014). Computational Thinking: Conceptual development, international initiatives and programs of studies, in P. Anastasiades, N. Zaranis, V. Economides & M. Kalogiannakis (Eds.), *Proceedings of 7th Pan-Hellenic Conference "Computer Science Education"*, University of Crete, Rethymno, 3-5/10/2014, pp.: 110-120
[8.IV.36]	Kirodimou, E., Fessakis, G., Flogaiti, E., (2014). The Systemic Dynamics in Education for Environment and Sustainability, in T. Mardiris & M. Grigoriou (Eds.), *Proceedings of the 7th Conference of the Pan-Hellenic Teachers Union for Environmental Education "Environmental and Sustainability Education. Changing Attitudes and practices through educational programs, research, school networks, actions and activities in Greece"*, Volos, 8-10 May 2015, ISBN: 978-960-86120-6-8
[8.IV.37]	Kirodimou, E., Fessakis, G., Flogaiti, E., (2014). Teaching interventions in education for environment and sustainability using computational modeling of dynamic systems, in *Proceedings of 1st Scientific Meeting of PhD Candidates and Postgraduate Student in Environmental/Sustainability Education*, organized by the Greek Scientific Society of Environmental Education for Sustainability and the National & Kapodistrian University of Athens, in Athens, 20-21/6/2014.
[8.IV.38]	Fessakis G., Theodoridou S., Roussou M., (2013). Challenges of the design and operation of educational online communities of practice: The case of the community of school gardeners, In A. Lionarakis (Ed.), *Proceedings of 7th International Conference in Open Distance Learning (ICODL2013)*, Athens, Greece, 8-10 November, 2013, Vol. 4, pp. 91-105
[8.IV.39]	Zoumpatianou, M., Fessakis, G., (2012). Educational Applications of Wikipedia: a literature review, in Ch. Karagiannidis, P. Politis, H. Karassavidis (Eds.), *Proceedings of the 8th Conference, «ICT in Education»*, HCICTE, Volos, 28-30 Sep 2012.

[8.IV.40]	Fessakis, G., Mavroudi, E., Karakiza, T., (2012). The effect of the type of projects in the emerging approach to programming for secondary school students, In Th. Bratitsis, (Eds.), *Proceedings of the 6th Pan-Hellenic Conference: «Didactics of Informatics»*, Florina, 20-22 April 2012, pp.:57-61

After the election as lecturer:

[8.IV.41]	Fessakis, G., Lappas, D. (2011). Developing kindergartener's creativity through creative problem solving in computational learning environments, *In proceedings of the European and the 8th of OMEP: Creativity and learning in Early School-Age*, Nicosia, Cyprus, 6-8 May 2011, ISBN: 978-9963-7377-0-3, pp. 859-869
[8.IV.42]	Proveleggios P., Fessakis, G. (2011). Educational applications of serious games: The case of the "Food Force" game, in K. Glezou & N. Tzimopoulos (Eds.), *Proceedings of the 6th Pan-Hellenic Teachers' Conference for Information and Communication Technologies "Using ICTs in the Didactical Practice"* – Syros, 6-8 May 2011, ISBN : 978-960-89753-7-8, pp.:1718-1729
[8.IV.43]	Armenaki, D., Fessakis, G. (2011). Strategies for the use of ICT in education with main reference to the educational system of Finland, in K. Glezou & N. Tzimopoulos (Eds.), *Proceedings of the 6th Pan-Hellenic Teachers' Conference for Information and Communication Technologies "Using ICTs in the Didactical Practice"* – Syros, 6-8 May 2011, ISBN : 978-960-89753-7-8, pp.:1050-1057
[8.IV.44]	Fesakis, G. et. al. (2011). Teachers' and students' training for educational robotics using the studio pedagogical model: Assessment of the training by teachers and students, in K. Glezou & N. Tzimopoulos (Eds.), *Proceedings of the 6th Pan-Hellenic Teachers' Conference for Information and Communication Technologies "Using ICTs in the Didactical Practice"* – Syros, 6-8 May 2011, ISBN : 978-960-89753-7-8, pp.: 734-744
[8.IV.45]	Fessakis, G., Lappas, D. (2011). Creativity Support Software, in K. Glezou & N. Tzimopoulos (Eds.), *Proceedings of the 6th Pan-Hellenic Teachers' Conference for Information and Communication Technologies "Using ICTs in the Didactical Practice"* – Syros, 6-8 May 2011, ISBN: 978-960-89753-7-8, pp.: 637-647
[8.IV.46]	Sofroniou C., Fesakis G. (2010). "Monster exchange" through the internet adapted for kindergarten children, In A. Jimoyiannis (Ed.), *Proceedings of the 7th Pan-Hellenic Conference with international participation «ICT in Education»*, Corinth, 23-26/9/2010, ISBN: 978-960-88359-5-5, ISSN: 1792-5010, Vol II, pp.: 537-544
[8.IV.47]	Serafeim K., Fesakis G., (2010). Educational application of digital narration: Teaching approach for the kindergarten, In A. Jimoyiannis (Ed.), *Proceedings of the 7th Pan-Hellenic Conference with international participation «ICT in Education»*, Corinth, 23-26/9/2010, ISBN: 978-960-88359-5-5, ISSN: 1792-5010, Vol II, pp.: 521-528

[8.IV.48] Kontakos A., Polemikos N., Sachinidis K., Stamatis P., Fesakis G., (2010). Computational video analysis system applications in educational research: Automatic face gesture recognition, Short paper presented at the *2nd Pan-Hellenic conference of developmental psychology*, Greek Psychology Association, Alexandroupolis, 27-30 May 2010

[8.IV.49] Serafeim K., Fesakis G., (2010). Digital story telling: Software overview, In V., Koltsakis, G., Salonikidis, and M., Dodontsis, (Eds.) Proceedings of the *2nd Pan-Hellenic education conference: 'Digital and internet applications for education'*, Veria and Naousa, 23-25/4/ 2010, ISBN: 978-960-99301-0-9, pp.: 1558-1569

[8.IV.50] Goula M., Fesakis G.,(2010), Using blogs for English Language learning: The case of a learning project in the framework of eTwining program, , In V., Koltsakis, G., Salonikidis, and M., Dodontsis, (Eds.) Proceedings of the *2nd Pan-Hellenic education conference: 'Digital and internet applications for education'*, Veria and Naousa, 23-25/4/ 2010, ISBN: 978-960-99301-0-9, pp.: 1708-1722

[8.IV.51] Fesakis G., Gouli E., Mavroudi E., (2010). Problem solving in computer programming environment by kindergarten children, In M. Grigoriadou (Ed.), *Proceedings of the 5th Pan-Hellenic Conference, «Computer Science Education»*, HCICTE, Athens, 9-11/4/2010, ISBN: 978-960-88359-4-8, pp.:339-349

[8.IV.52] Fesakis G., Karakiza Ts., (2010). Pedagogical beliefs and attitude of Computer Science teachers, In M. Grigoriadou (Ed.), *Proceedings of the 5th Pan-Hellenic Conference, "Computer Science Education"*, HCICTE, Athens, 9-11/4/2010, ISBN: 978-960-88359-4-8, pp.: 409-418

[8.IV.53] Fesakis G., Mavroudi E., Fokiali P., Vitsilaki C., (2009). Developing open digital courses using the rapid e-learning method. The case of e-learning system of Dodecanese prefecture, In N., Tzimopoulos and A., Porpoda (Eds.), *Proceedings of the 5th Pan-Hellenic conference for ICT, «Utilization of ICT in educational practice»*, e-diktyo, Syros, 8-10/5/2009. Athens: New technologies publications, Vol. B', pp: 408-418

[8.IV.54] Fesakis G., Serafeim K., (2009). The impact of familiarization with "SCRATCH" to the beliefs and attitude of future teachers about ICT, In N., Tzimopoulos and A., Porpoda (Eds.), *Proceedings of the 5th Pan-Hellenic conference for ICT, «Utilization of ICT in educational practice»*, e-diktyo, Syros, 8-10/5/2009. Athens: New technologies publications, Vol. B', pp: 767-777

[8.IV.55] Fesakis G., Serafeim K., (2009). Learning computer programming by future teachers using SCRATCH", In P., Politis (Ed.), *Proceedings of the 1st Educators conference, «Integration and use of ICT in educational process»*, HCICTE, Volos, 24-26/4/2009, ISSN 1791-9215, pp.:531-537

[8.IV.56] Vlachou O., Fesakis G., Petanidou T., (2008). Nutrition assessment of grade 7-9 students in comparison to the Mediterranean diet model: Exploring attitudes and knowledge of students for the redesign of nutrition education in Gymnasium, Short paper, in the *Proceedings of the 4th Pan-Hellenic conference: 'Current trends of research on Ecology'*, University of Thessaly, Volos, 9-12/10/2008, ISBN 978-960-387-767-7, pp. 277-279.

[8.IV.57]	Fesakis G., Kafousi S, Skoumpourdi C., (2008). Creating stochastic experiences for the evolution of intuitive kindergarten children concepts using microworlds delivered through the internet, In C. Aggeli, (Ed.), *Proceedings of the 6th Pan-Hellenic conference with international participation: 'ICT in Education'*, HCICTE, Cyprus, 25-28/9/2008, J. G. Cassoulides & Son Ltd Editions, Vol. 1, pp.: 280-287
[8.IV.58]	Fesakis G., Kafousi S., (2008). Developing combinatorial thought of kindergarten children using ICT: Production of combinations with repetition. A pilot study, In C. Aggeli, (Ed.), *Proceedings of the 6th Pan-Hellenic conference with international participation: 'ICT in Education'*, HCICTE, Cyprus, 25-28/9/2008, J. G. Cassoulides & Son Ltd Editions, Vol. 1, pp.: 129-136
[8.IV.59]	Fesakis G., (2008). ICT in preschool education dimension and perspectives, In V., Komis (Ed.), *Proceedings of the 4th Pan-Hellenic Conference, «Computer Science Education»*, HCICTE, Patras, 28-30/3/2008, Athens:New technologies editions, pp.: 415-424
[8.IV.60]	Fesakis G., Tatsis K., Dimitracopoulou A., (2007). Using group bloging for the support of learning by design activities. The case of students who design technology enhanced learning activities for Geometry, In C., Sakonidis (Ed.), *Proceedings of the 2nd Pan-Hellenic conference of the Greek Association of the Researchers of Mathematics Education*, Alexandroupolis, 23-25/11/2007, Tipothito-Giorgos Dardanos Editions, pp. 498-508.
[8.IV.61]	Kavroumatzis K., Fesakis G., (2007). Integrating learning management systems in primary education. The case study of three schools, In N., Dapontes and N., Tzimopoulos, (Eds.), Proceedings of the 4th Pan-Hellenic conference for ICT, «Utilization of ICT in educational practice», Syros 4-6 /5/2007, Athens: New technologies editions, Vol. A', pp. 174-183.
[8.IV.62]	Mpetzelos N., Fesakis G., (2007). Educational software evaluation by online communities: Requirements study for teachers-users, In N., Dapontes and N., Tzimopoulos, (Eds.), Proceedings of the 4th Pan-Hellenic conference for ICT, «Utilization of ICT in educational practice», Syros 4-6 /5/2007, Athens: New technologies editions, Vol. A', pp. 596-605
[8.IV.63]	Fesakis G., Mavroudi E., (2007). Quality questions in e-learning programs for the primary and secondary education, In A., Lionarakis, (Ed.), *Proceedings of the 4th International Conference in Open and Distance Learning , Forms of Democracy in Education: Open Access and Distance Education*, 23– 25/11/2007, Athens: Propombos editions, Vol. A', pp.: 599-605
[8.IV.64]	Kavroumatzis K., Fesakis G., (2007). Experimental application of learning management system in primary education school. Teachers views, In A., Lionarakis, (Ed.), *Proceedings of the 4th International Conference in Open and Distance Learning, Forms of Democracy in Education: Open Access and Distance Education*, 23– 25/11/2007, Athens: Propombos editions, Vol. B', pp.: 358-364

Before the election as lecturer:

[8.IV.65]	Fesakis G., Dimitracopoulou A., (2006). Educational computer programming environments-an overview, In D., Psillos, and V., Dagdilellis, (Eds.), *Proceedings of the 5th Pan-Hellenic conference with international participation: "ICT in Education"*, HCICTE, Thessaloniki, 5-8/10/2006, University of Macedonia Editions, pp.:67-74
[8.IV.66]	Fesakis G., Dimitracopoulou A., (2005). Cognitive difficulties of secondary education students concerning the programming variable concept and proposed interventions, In A., Jimoyiannis, (Ed.), *Proceedings of the 3rd Pan-Hellenic Conference, «Computer Science Education»*, HICTE, Corinth, 7-9/10/2005, Athens:New technologies Publications, pp.:71-79
[8.IV.67]	Dimitracopoulou, A., Fesakis, G., Petrou, A., Orfanos, S., Ioannidou E., (2005). Technology-based Collaborative Learning in Every Day School Practices: Research Directions of Learning Technology & Educational Engineering Laboratory, In M. Grigoriadou, S. Vosniadou, A. Raptis, and C. Kinigos. (Eds.), *Proceedings of the 4th Pan-Hellenic conference with international participation: "ICT in Education"*, HCICTE, Athens, 29/1-1/10/2004, Athens: New Technologies Publications, Vol. B', pp.: 416-422.
[8.IV.68]	Petrou-Mpakiri A., Fesakis G., Mitsoulis C., & Dimitracopoulou A., (2004). Interaction analysis tools during synchronous collaborative problem solving: Utilization by teachers in realistic class conditions, In M. Grigoriadou, S. Vosniadou, A. Raptis, and C. Kinigos. (Eds.), *Proceedings of the 4th Pan-Hellenic conference with international participation: "ICT in Education"*, HCICTE, Athens, 29/1-1/10/2004, Athens: New Technologies Publications, Vol. A', pp.: 657-666.
[8.IV.69]	Fesakis G., Dimitracopoulou A., (2004). Cognitive difficulties of secondary education students concerning the design of relational databases and proposed remedial actions, In P. Politis, (Ed.), *Proceedings of the 2nd Conference: «Computer Science education»*, HICTE, Volos, 16-17/1/2004, Athens: New Technologies publications, pp.:136-143
[8.IV.70]	Fesakis G., Dimitracopoulou A., Komis V., (2003). Didactical utilization of data modeling for the design of data bases. The case of a learning activity concerning story based analysis of traffic accidents, In M., Iosifidou, and N., Tzimopoulos, (Eds.), *Proceedings of the 2nd Pan-Hellenic teachers conference for ICT: «Utilization of ICT in educational practice»*, Syros 9-11/5/2003, Vol. B', Athens: New Technologies publications, pp.: 721-732
[8.IV.71]	Fesakis G., Dimitracopoulou A., Komis V., (2002). Mental models and cognitive difficulties of students concerning data bases and their design, In A. Dimitracopoulou (Ed.), *Proceedings of the 3rd Pan-Hellenic conference with international participation: "ICT in Education"*, HCICTE, Rhodes, 26-29/9/2002, Athens: Kastanioti-Inter@ctive publications, Vol. A', pp.: 267-276

[8.IV.72]	Fesakis G., Kalavasis F., Dimitracopoulou A., (2001). Computer modelling activities in secondary education. Exploration and experimental application with students of the 12th grade, In V. Makrakis, (Ed.), *Proceedings of the Pan-Hellenic Conference with international participation "New technologies in education and in distance education"*, University of Crete/Education department, Rethymno, 8-10/6/2001, Athens:Atrapos publications, pp.: 673-688
[8.IV.73]	Fesakis G., Halatsis K., Kalavasis F., Dimitracopoulou A., (2000). The constraints of Von Neumann model for the course 'programming applications development' and Petri-nets, In V., Komis, (Ed.), *Proceedings of the 2nd Pan-Hellenic conference with international participation: "ICT in Education"*, HCICTE, Patras, 13-15/10/2000, Athens: New Technologies publications, pp.: 136-144
[8.IV.74]	Petrou-Mpakiri A., Fesakis G., Kalavasis F., Dimitracopoulou A., (2000). Taxonomy of educational technological means based on the natural impulses of young children, In V., Komis, (Ed.), *Proceedings of the 2nd Pan-Hellenic conference with international participation: "ICT in Education"*, HCICTE, Patras, 13-15/10/2000, Athens: New Technologies publications, pp.: 92-99

8.V Chapters in collective volumes

After the election as full professor:

[8.V.1.]	Mammana, M.F., Taranto, E., Filippaki, D.K., Fesakis, G. (2023). A Case Study of Teachers' First Designs Using ASYMPTOTE: A Tool for Teaching and Learning Mathematics Online. In: Fulantelli, G., Burgos, D., Casalino, G., Cimitile, M., Lo Bosco, G., Taibi, D. (eds) *Higher Education Learning Methodologies and Technologies Online. HELMeTO 2022. Communications in Computer and Information Science*, vol 1779. Springer, Cham. https://doi.org/10.1007/978-3-031-29800-4_44
[8.V.2.]	Λάππας, Δ., Φεσάκης, Γ. (2023). Υπολογιστικά υποστηριζόμενη λήψη αποφάσεων: Η ανάγκη για μετάβαση από τα αιτιοκρατικά στα στοχαστικά μοντέλα λήψης αποφάσεων υπό αβεβαιότητα στο πλαίσιο του εκπαιδευτικού σχεδιασμού, Στα πρακτικά της 12ης Επιστημονικής Συνάντησης Εκπαιδευτικού Σχεδιασμού με διεθνή συμμετοχή: *«Η Μηχανική της Μετάβασης στον Εκπαιδευτικό Σχεδιασμό και την Ανάπτυξη Σχολικών Μονάδων: Θεωρίες, Συστήματα, Δομές, Διεργασίες, Λειτουργίες, Μοντέλα, Εργαλεία, Προγράμματα, Τεχνολογίες»*, που διοργανώνει το ΠΜΣ Μοντέλα Σχεδιασμού και Ανάπτυξης Εκπαιδευτικών Μονάδων, στο Πανεπιστήμιο Αιγαίου/Σχολή Ανθρωπιστικών Επιστημών στη Ρόδο, 16-17 Ιουνίου 2023
[8.V.3.]	Fesakis G., Volika, St., Tsigaros T. (2021). Issues of educational design about Emergent Remote Teaching: The case of COVID-19, A. Kontakos and F. Kalavasis, (Eds.), *Educational Design Issues, Vol. 12*, Diadrasi publications..

[8.V.4.]	Lappas, D., Karampelas, P., & Fessakis, G. (2021). Using Social Media Surveillance in Order to Enhance the Effectiveness of Crew Members in Search and Rescue Missions. In Big Data and Social Media Analytics (pp. 127-151). Springer, Cham.

After the election as associate professor:

[8.V.5.]	Karagianni, M., Papadogianni, E., Fessakis, G. (2019). The educational data mining as a research method in Educational Communication, in St. Panagiotis (Ed.), 3rd Collective Volume *Communication and Education: Issues in Theory and Research Methodology of Communication in Education*, Diadrasi publications.
[8.V.6.]	Ploumi, K., Fessakis, G. (2019). Methodological Approaches of Investigating the Effectiveness and the Impact of Integrated School Class Communication Management Systems, in St. Panagiotis (Ed.), 3rd Collective Volume *Communication and Education: Issues in Theory and Research Methodology of Communication in Education*, Diadrasi publications.
[8.V.7.]	Fessakis, G., Komis, V., Mavroudi, E., Prantsoudi, S. (2018). Exploring the scope and the conceptualization of Computational Thinking at the K-12 classroom level curriculum, In M. S. Khine (Ed.) (2018). *Computational Thinking in the STEM Disciplines: Foundations and Research Highlights*. Switzerland: Springer
[8.V.8.]	Fessakis, G., Varvaresos, P. Laos, D., Bakaros, A. (2018). Supporting the understanding of the complexity of educational governance using serious games and social simulations, in A. Kontakos and F. Kalavasis, (Eds.), *Educational Design Issues, Vol. 11*, Diadrasi publications.
[8.V.9.]	Konstantopoulou, A., Nikolaou, El., Fesakis, G., Volika, S. (2018). Prospects of interactive digital storytelling applications in prevention and treatment of bullying in preschool education. In P. Stamatis (Eds.), *Violent Communication and Bullying in Early Childhood Education*, pp. 225-254, Hauppauge, NY: Nova.
[8.V.10.]	Veneti, P., Fessakis, G., Kontakos, A., Kalavasis, F. (2018). Digital Citizen Education and Educational Design, in A. Kontakos and F. Kalavasis, (Eds.), *Educational Design Issues, Vol. 10*, Diadrasi publications.
[8.V.11.]	Kontakos, A., Fessakis, G., Mavroudi, E. (2018). Innovation Management in Higher Education: The Case of the Transition to the Mixed Teaching Model of the masters' program Models of Educational Planning and Development, in A. Kontakos and F. Kalavasis, (Eds.), *Educational Design Issues, Vol. 10*, Diadrasi publications.
[8.V.12.]	Fessakis, G., Lazakidou, G. (2017). Intelligent Decision Support Information Systems, Data Analysis and Educational Organizations, in A. Kontakos and F. Kalavasis, (Eds.), *Educational Design Issues, Vol. 9, The School Unit as an Intelligent, Hybrid and Ethical Entity*, pp. 119-159, Diadrasi publications.

After the election as assistant professor:

[8.V.13.]	Fessakis, G., Lappas, D., Mavroudi, E., (2015). Could Computer Games-Based Problem Solving Positively Affect the Development of Creativity in Young Children? A Case Study, In K.L. Heider, M. Renck Jalongo (Eds.), *Young Children and Families in the Information Age: Applications of Technology in Early Childhood*, Series: Educating the Young Child, Vol. 10, Springer, p.207-225, ISBN 978-94-017-9184-7
[8.V.14.]	Fessakis, G., Lazakidou, G. (2015 in press). Applications of modeling and simulation of dynamic systems in the governance of educational institutions, in A. Kontakos and F. Kalavasis (Eds.), *Topics on Educational Planning, vol.7, Systemic Development of Educational Units: Technological and Pedagogical Interweaving*, Diadrasi publications
[8.V.15.]	Fessakis, G., Savvas, A., (2013). Online reputation management and the educational community in A., Kontakos and F., Kalavasis, (Eds.), *Topics on Educational Design, vol. 6, Social networks and school: bridges and meanings*, Diadrasi Publications, ISBN13: 9789609541961, pp. 272-303

After the election as lecturer:

[8.V.16.]	Fessakis, G., Lappas, D., (2013). Creativity and Education support computational tools. An antidote to crisis, in A., Kontakos and F., Kalavasis, (Eds.), *Topics on Educational Design, vol. 5, Crisis Management and educational units governance*, Diadrasis Publications, ISBN: 978-960-9541-97-8, pp. 265–299.
[8.V.17.]	Kontakos, A., Polemikos, N., Sahinidis, K., Fessakis, G., Stamatis, P., (2011). Video analysis computational systems applications in educational research. Automatic recognition of gestures and facial expressions, in A., Kontakos and F., Kalavasis, (Eds.), *Topics on Educational Design, vol. 4*, Diadrasi publications, pp.: 115-128
[8.V.18.]	Fesakis G., Dimitracopoulou A., (2009). Technology enhanced learning activities models: Critical presentation and reflection, in A. Kontakos, and F. Kalavasis, (eds.), *Topics in educational design, Vol. 3,* Athens: Atrapos publications, pp. 311-341.
[8.V.19.]	Fesakis G., (2009). Internet services, web 2.0 and educational design, in A. Kontakos, and F. Kalavasis, (eds.), *Topics in educational design, Vol. 2*, Athens: Atrapos publications, pp. 181-206.
[8.V.20.]	Fesakis G., Vlachou O., (2009). Internet & environmental education. Designing webquests for focused instructional interventions for environmental education, in A. Dimitriou, G. Xanthakou, G. Liarakou, & M. Kaila (ed.), *Environmental Education: questions of theory, research and applications*, Athens: Atrapos publications, pp. 697-746.
[8.V.21.]	Skoumpourdi C., Fesakis G., Kafoussi S., Kalavasis F., (2008). Mathematics education research: The increasing variety of research tools and the continuous expansion of theoretical approaches for the study of a complex and compound phenomenon" in I. Athanasiadis (ed.) *Dimensions of the space of pedagogical research*, Athens: New technologies, pp.: 227-239

8.VI Panels in conferences

After the election as full professor:

[8.VI.1.]	Tsimogiannis, Ath. Komis, V. & Fesakis, G. (2022). "New National Computer Science Curricula and Teaching Designs in Primary and Secondary Education", In the 14th Conference "Informatics in Education", 4-6 November 2022, University of Piraeus and Ionian University, Online

After the election as assistant professor:

[8.VI.2.]	Kalavasis Fr., Tzekaki, M., Chronaki, A., Koulaidis, V., Fessakis, G., Petrou, A., Kritikos, G., (2014). Do you get the meaning? Materials, mental processes and their interactions in building concepts of mathematics and natural science, in Ch. Skoumpourdi & M. Skoumios (Eds.), Proceedings of the *1st Pan-Hellenic Conference with international participation for Educational Material in Mathematics and Science*, Rhodes, 17-18 October 2014, University of the Aegean.
[8.VI.3.]	Komis, V., Dimitriadis, S., Alimisis, D., Bratitsis, T., Fessakis, G., Fahantidis, N., (2012). Current trends of Educational Robotics, in Ch. Karagiannidis, P. Politis, H. Karassavidis (Ets.), Proceedings of the *8th Conference, 'ICT in Education'*, HCICTE, Volos, 28-30 Sep 2012.

After the election as lecturer:

[8.VI.4.]	Tolis D., Paraskevias M., Mistakidis St., Fesakis G., Panagiotou M., Themeli Chr., Tzortzakis I., (2010). Learning 2.0: Web 2.0 services (blogs and twitter, social networks, bookmarking etc) in education, panel in meeting parallel to *e-Learning Expo* (http://elearningexpo.gr/)
[8.VI.5.]	Balacheff N., Kynigos Chr., Dimitracopoulou A., Fesakis G., (2009). Technology supported representation systems and Mathematics Education, *3rd Pan-Hellenic conference of the Greek Association of Researchers for Mathematics Education*, Rhodes, 29-31 OCT 2009 (http://enedim2009.ltee.gr)

Before the election as lecturer:

[8.VI.6]	Paraskevas M., Fesakis G., Apostolakis I., Chatzilakos Th., Giakoumatou T., (2007). Teachers' professional development by distance and educational utilization of the internet, Panel in the *4th education conference 'ICT in education'*, Syros 2007
[8.VI.7.]	Dimitracopoulou A., Vosniadou St., Gregoriadou M., Avouris N., Kollias V., Gogoulou A., Fesakis G., Bratitsis Th. (2006). The field of automatic interaction analysis for the support of self-regulation of participants in technology enhanced learning activities: state of the art, dimensions and perspectives, *5th Pan-Hellenic conference with international participation 'ICT in education'*, Thessaloniki, 5-8 October 2006, HCICTE

8.VII Workshops – Tutorials

After the election as full professor:

[8.VII.1.]	Fesakis, G. (2022). Organized the teachers' professional development workshop about "Integrating Computational Thinking Skills in Culturally Responsive Primary Curriculum", that was delivered by the University of Aegean/LTEE, 29 October 2022 – 1 November 2022, at the University of the Aegean Campus at Rhodes Greece, as an Learning Teaching Training Activity in the context of Integrated and Culturally Responsive Computational Thinking Curriculum for Primary Students – INCTCORPS Erasmus+ KA2 Project, Program Number: 2021-1-TR01-KA220-SCH-000024437, https://sites.google.com/view/inctcorps/home. In the workshop 20 participants were trained for 30 hours.
[8.VII.2.]	Fesakis G. (2021). Computational support of continuous improvement plans: Management Information Systems and the problem of prediction in Dynamic Systems, In the 2nd workshop for educational engineering organized by the masters program: "Models of Design and Development of Educational Units" of the University of the Aegean, 2 OCT 2021, at Rhodes, Greece

After the election as associate professor:

[8.VII.3.]	Fessakis, G., Komis, V., Prantsoudi, S., Dimitracopoulou, A., Papanikolaou, K. (2019). Introduction to Computational Thinking and the Competition Bebras – "Castor" Greece. On the *6th Pan-Hellenic Scientific Conference "Integration and Use of ICT in the Educational Process"*, National and Kapodistrian University of Athens, 18-20/10/2019.
[8.VII.4.]	Fessakis, G., Dimitracopoulou, A., Prantsoudi, S. (2019). Workshop on Computational Thinking and the Bebras – Castor Greece Competition, on the *10th Pan-Hellenic ICT Teachers Conference – "Exploiting Information and Communication Technologies in Teaching Practice"*, Rhodes, 12-14/04/2019.
[8.VII.5.]	Fessakis, G., Mavroudi, E. (2018). Introduction to modern digital modeling environments of dynamic systems and their applications in education, on the *10th International Educational Design Scientific Meeting, "Complexity in the Design and Development of Educational Units"*, University of the Aegean, Rhodes, 18-19/5/2018.
[8.VII.6.]	Fessakis, G., Lazakidou, E. (2017). Introduction to modern digital modeling environments of dynamic systems and their applications in education, on the *9th International Educational Design Scientific Meeting, "Models of Development of Educational Units: Applications of the Systemic Approach and its Educational Mechanics"*, University of the Aegean, Rhodes, 2-3/6/2017.
[8.VII.7.]	Prantsoudi, S., Fessakis, G. (2017). Software supported Qualitative Research, on the 3rd Annual Meeting of PhD Candidates, University of Aegean Rhodes, 27/5/2015.

After the election as assistant professor:

[8.VII.8.]	Fessakis, G., Papastoikou, M., Constantopoulou, A. (2015). ICT and space-map concepts in the kindergarten, <u>invited laboratory educational session</u> for the namesake 2-day workshop held on the above subject organized by the Directorate of Primary Education of Ileia Prefecture, the Primary Educational Counselor of the 28th District and the Learning Technology and Education Engineering Laboratory of DPEED, at the TEI o Pyrgos, 12 & 13 June 2015.
[8.VII.9.]	Fessakis, G. (2015). School as an organization of learning and innovation: Creating Communities of Learning and Practice, <u>invited educational session</u> as part of the training program organized by the Directorate of Secondary Education 'Innovation management in the educational community', 21 February 2015
[8.VII.10.]	Fessakis, G. (2015). Management of the school unit online reputation, <u>invited educational session</u> as part of the training program organized by the Directorate of Secondary Education 'Innovation management in the educational community', 21 February 2015.
[8.VII.11.]	Fessakis, G. (2014). Design, implementation and programming of Robotics applications for primary school children, hands-on educational seminar organized by the Learning Technology and Education Engineering Laboratory of the University of Aegean, in collaboration with the Computing School Consultant of Dodecanese and the Center of Informatics and New Technologies of Dodecanese, in occasion of the 1st Pan-Hellenic Robotics Competition for primary education students (8-12 years old), entitled "My city" – (WeDo scratching), organized by WRO Hellas with the support of Greek Ministry of Education,13 December 2014
[8.VII.12.]	Fessakis, G., Theodoridou, S., Roussou, M. (2013). Familiarization with the gardeners' online community and its potential educational use, <u>invited laboratory educational session</u> for the namesake 2-day workshop held on the above subject organized by the Environmental Education Center of Edessa-Giannitsa and the Learning Technology and Education Engineering Laboratory of DPEED, in Edessa and Giannitsa, 7 and 8 March 2013.
[8.VII.13.]	Fessakis G., (2012). Introduction to and educational applications of the SCRATCH environment, <u>invited speaker-trainer</u> at the one-day conference entitled: «Mathematics and New Technologies in Early Childhood Education», organized by Assistant Professor Nikolaos Zaranis in the Department of Preschool Education, University of Crete, Rethymno, May 25, 2012

After the election as lecturer:

[8.VII.14.]	Fessakis G., (2011). Design learning scenarios in environmental topics using the webquest and microLESSON models", Within the framework of the seminar titled: «Blended Learning in service of Education for Sustainability»: Projects, webquests and microLESSONS design in the thematic areas of "Water and Sustainable Development" and "Waste reduction and sound Management" organized by the Environmental Education Center of Edessa-Giannitsa, 16-17 December 2011

[8.VII.15.]	Fesakis G., Karakiza T., Gouli E., Glezou K., Gogoulou A., (2010). Scratch Day 2010 in Athens: Applications of SCRATCH in Computer Science Education, Workshop in the framework of the 5th Conference 'Informatics Didactics', HCICTE, N.K. University of Athens, 9-11 APR 2010
[8.VII.16.]	Programme Commitee member and presenter in Bruillard E., Dimitracopoulou A., and Reimann P. (2009). Interaction Analysis and Visualization for Asynchronous Communication: Analysis Methods, Tools and Research Questions, *Workshop in ISLS-CSCL2009 conference*, Rhodes, 08-13 June 2009 (http://www.isls.org/cscl2009)
[8.VII.17.]	Fesakis G., Komis V., Serafeim K., Nicolos D., (2009), SCRATCH DAY in Greece, Workshop at University of Patras, 16 May 2009
[8.VII.18.]	Bratitsis T., Fesakis G., Mavroudi E., Dimitracopoulou A., (2009). Educational utilization of web 2.0 services, Workshop at 5th Conference 'ICT in Education', e-diktyo, Syros, 8-10 May 2009
[8.VII.19.]	Fesakis G., Dimitracopoulou A., Serafeim K., Zafiropoulou A., Ntouni M., (2008). Familiarization with the SCRATCH educational programming environment, Workshop at 4th Pan-Hellenic Conference 'Informatics Didactics', HCICTE, Patra, 28-20 March 2008,

8.VIII   <u>Speeches in educational meetings & Conferences</u>

<u>After the election as full professor:</u>

[8.VIII.1.]	Fesakis, G. (2023). Mathematics Education & ICT Measurement in Primary Education the Case of Greece, invited lecture to the seminar "Größen und Messen" - "Quantities and Measurements" for primary school students, of Prof. Dr. Andrea Peter Koop, Universität Bielefeld/Institut für Didaktik der Mathematik, 18 APR 2023
[8.VIII.2.]	Fesakis, G. (2022). Educational Robotics, Computational Thinking and Art. Laboratory session in the context of the course "Educational Robotics", taught by Professor Kyparissia Papanikolaou in the "Institutional Master's Program "Digital Transformation and Educational Practice", University of Western Attica, Friday, 9/12/2022, 16:00-19:00
[8.VIII.3.]	Fesakis, G. (2022). Integration of Computational Thinking and Robotics in the new High School Informatics Program. Invited live talk at the "Institutional Master's Program "Digital Transformation and Educational Practice", 3rd Cycle of Lectures 2022-2023, University of Western Attica, Wednesday 7/12/2022, time 5:00 - 6:15 p.m., room K16 218, available online at: http://msc-ditrep.uniwa.gr/3os-kyklos-dialexeon-2022-23/
[8.VIII.4.]	Fesakis G., (2022). The modern role of Computer Science and Computational Thinking in the international curriculum and in the new Computer Science Curriculum for the Gymnasium. Invited speech to the seminar "I design, implement and sharing: good practices for the teaching of Computer Science in the Gymnasium", Organised by the Greek Pedagogical Advisors for Computer Science, online, 17 JAN 2022.

[8.VIII.5.]	Fesakis G., (2021). A methodology for the design of interdisciplinary pedagogical scenarios for the computational thinking and STEAM in the new Computer Science Curriculum for the Gymnasium in Greece. Invited speech in the annual 1-day conference "Intergrated Interdisciplinary Approach of STEM", Orgnaized by Hellenic Education Society for STEM - E3STEM, Athens, 11 December, 2021
[8.VIII.6.]	Fesakis G. (2021). The modern role of Computer Science in the curriculum and the importance of integration of Computational Thinking in Education. Invited key note speech in the 13th Conference on Informatics in Education - CIE2021, Organized by Hellenic Computer Society, at Ionian University/Informatics Department, Corfu Greece, 9 & 10 OCT 2021
[8.VIII.7.]	Volika St., Fesakis (2020). Design, Implementation and Evaluation of a Modern Introductory E-Learning Course: First Pilot, In 3rd Conference "Open Educational Resources and e-learning", organised by Hellenic Association of ICT in Education (HAICTE) at the University of West Macedonia,3-4 OCT 2020, Florina, Greece

After the election as associate professor:

[8.VIII.8.]	Fesakis G. (2019). The Bebras contest as initiative for the promotion of computational thinking educational in Greece. Invited webinar organized by Educational Advisors for Computer Science Education in Greece, 7 NOV 2019, https://www.youtube.com/watch?v=_MaZpKYNBr4 [In Greek]
[8.VIII.9.]	Fessakis, G. (2019). Discussion on the meaning and the importance of the integration of Computational Thinking in education, Invited Speaker, 7th "Smart Education" Webinar, organized by the International Community for Open Education (ICOE), Smart Learning Institute (SLI) Beijing Normal University (BNU), through the internet, 20/June/2019.
[8.VIII.10.]	Fessakis, G. (2018). Urban Mathematics Education, Realistic, Moving and Enhanced by Augmented Reality Technologies: Exploratory Applications and Research Projects, Invited Speaker, International 2-day Workshop on "Mathematics of Cities", co-organized by the Hellenic Mathematical Society (HMS) and the Regional Association of Municipalities of Central Macedonia (RAMCM), 2-3/11/2018, Thessaloniki.
[8.VIII.11.]	Fessakis, G. (2017). Designing playful learning scenarios for environmental education, enhanced by mobile devices and augmented reality, Invited Speaker, 2-day CCI training seminar implemented by Centers for Environmental Education of Butterflies Rhodes and Homeroupolis Chios entitled: "Environmental Awareness for Sustainability through the Game", 24-25/11/2017, Rhodes.
[8.VIII.12.]	Fesakis G. (2017). «Creative Computing for Learning and Teaching Introduction: The Case of Mobile Augmented Reality Games», Invited Speech, as part of an educational meeting in Rhodes, 9-13/10/2017, implementing the Erasmus+ program: "Bringing life in to classroom: innovative use of mobile devices in the educational process", under the responsibility of the 1st Upper High School of Rhodes "Venetoklion", in the Dodecanese Chamber of Commerce. The lecture was attended by students and teachers from different European countries and it was followed by a mobile programming workshop.

[8.VIII.13.]	Fessakis, G. (2018). "Managing Innovation Integration in Higher Education: The Case of Transitioning to a Mixed Teaching Model", <u>Invited Speech</u> at the 9th Scientific Conference on Educational Design with International Participation: "Models of Educational Units Development: Applications of the Systemic Approach and its Educational Mechanics", University of the Aegean, Rhodes, 2-3/06/2017.
[8.VIII.14.]	Fessakis, G. (2017). Effects of digital storytelling on interdisciplinary methodologies, in addition to emotional engagement, commentary on Professor Michalis Meimaris's lecture: "From Mathematics to Interdisciplinarity: A Pathway", <u>Invited Speech</u> at the 2nd workshop on: Interdisciplinary Experience and Learning, of the MSc Program Teaching Science and ICT in Education: Interdisciplinary Approach, DPEED, University of the Aegean, Rhodes, 24/03/2017.
[8.VIII.15.]	Fessakis, G. (2016). Pascals' impact on ICT development and its use for interdisciplinary Mathematics, Science and ICT Education, Commenting on Jean Dhombres's presentation: "Blaise Pascal's (1623-1662) Mathematics, computation device (pascaline), Physics and Philosophy", <u>Invited Speech</u> at the 1st workshop on: Interdisciplinary Experience and Learning, M.Ed. Didactics of Science and ICT in Education: Interdisciplinary Approach, DPEED, University of the Aegean, Rhodes, 26/03/2016.
[8.VIII.16.]	Fessakis, G. (2016). The Other World of Internet: Digital Citizenship and Online Reputation, <u>Invited Speech</u>, at the workshop organized by the Rhodes Music School and the Parents and Guardians Association of Rhodes Music School, Rhodes, 9/12/2016.
[8.VIII.17.]	Fessakis, G., Lazakidou, G. (2016). Intelligent Decision Support Information Systems, Data Analysis and Educational Organizations, <u>Invited Speech</u> at the 8th Scientific Design Educational Conference with International Participation "The School Unit as an Intelligent, Hybrid and Responsible Entity", University of the Aegean, 27-28/05/2016.
[8.VIII.18.]	Fessakis, G. (2016). Creative Teaching and Learning with ICT at Kindergarten, <u>Invited Speech</u> on "Educational Plans Actions and Perspectives in Modern Kindergarten", PEENNA @ ICT & EKPA / TEAPH, Athens, 12-13/02/2016.

After the election as assistant professor:

[8.VIII.19.]	Fessakis, G., Lazakidou, G. (2015). Applications of dynamic systems modeling and simulation in the governance of educational institution*s*, <u>invited keynote speech</u> at the *7th Scientific Colloquium on Educational Planning-"Systemic Development of Educational Units: Technological and Pedagogical Interweaving"*, organized by the postgraduate Program: "Models of Educational Planning and Development", University of the Aegean/DPEED, Rhodes, 22-23 May 2015

[8.VIII.12.]	Fessakis, G. (2014), Educational Robotics: Dimensions and Experiences, <u>invited speech</u> in the educational seminar entitled: *"Educational Robotics in the Primary and Secondary Education"*, organized by the 2nd Laboratory Center of Rhodes, in collaboration with the Computing Educational Counselor of Dodecanese, the Center of Informatics and New Technologies of Dodecanese and WRO Hellas-Organization of Educational Robotics and Science, Rhodes, 18 January 2014
[8.VIII.21.]	Fessakis, G. (2013). Online Learning Communities: Pedagogical model, educational planning, management methods, technological infrastructure and examples, <u>invited speech</u> at the educational workshop entitled *"The use of internet and ICT in the thematic networks of the Environmental Education Center of Edessa-Giannitsa"*, 8 July 2013
[8.VIII.22.]	Fessakis, G., Savvas, A. (2013). Online reputation management and community of education, <u>invited speech</u> at the *5th Scientific meeting of Educational Planning with international participation – 'Social networks and educational units: Bridges and meanings'* organized by the postgraduate program: "Models of Educational Planning and Development", University of the Aegean/DPEED, Rhodes, 17-18 May 2013
[8.VIII.23.]	Fessakis, G., Savvas, A. (2013). Online reputation management for teachers, <u>invited speech</u> at the meeting for the above subject organized by the *Consulting Youth Station of Dodecanese of the Ministry of Education*, in collaboration with the Learning Technology and Education Engineering Laboratory of University of the Aegean/DPEED, 16 March 2013
[8.VIII.24.]	Fessakis G., Theodoridou, S., Roussou M., Karadimou, D. (2012). Designing an online community of practice and learning for school gardeners, <u>invited speech</u> at the scientific meeting titled: *Local Network for Environmental Education "School Gardens", organized by the Environmental Education Center of Edessa-Giannitsa*, November 6, 2012

After the election as lecturer:

[8.VIII.25.]	Fessakis G. (2012). Choosing and preparing content for subjects of local importance. Digital courses production methodology (Rapid e-learning), Project Organization and future expansions, <u>invited speech</u> at scientific meeting organized within the framework of the project *"Promoting the Information Society in Education of Dodecanese"*, by the Region of Southern Aegean, Rhodes, March 13, 2012
[8.VIII.26.]	Fessakis, G., Lappas, D. (2011). Computational creativity support tools and training. Antidote to the crisis, <u>invited speech</u> in the *4th Scientific Meeting of Educational Design with international participation: 'Crisis and governance of educational units'*, organized by the postgraduate program: "Models of Educational Planning and Development", University of the Aegean/DPEED, Rhodes, 27-28 May 2011
[8.VIII.27.]	Fesakis G., (2010). Teachers professional development and students training in educational robotics using Studio training model, <u>Invited speech</u> in the *meeting parallel to the Pan-Hellenic educational robotics contest* 2010, World Robot Olympiad Hellas, Athens, 12 JUN 2010.
[8.VIII.28.]	Fesakis G. (2010), SCRATCH applications in Informatics Didactics: Conceptual framework, *Meeting: ScratchDay 2010*, Rhodes, 22 May 2010

[8.VIII.29.]	Fesakis G., Dimitracopoulou A., (2009). Models of design learning activities that exploit ICT: Critical Review, <u>Invited speech</u> in the *2nd International Scientific Meeting of Educational Design: 'Change and governance of education systems'*, organized by the postgraduate program: "Models of Educational Planning and Development", University of the Aegean/DPEED, Rhodes, 29-30 May 2009
[8.VIII.30.]	Fesakis G., (2009). Kindergarten children activities with ICT out of the Kindergarten. <u>Invited speech</u> in the two days meeting titled *"The computer corner in Kindergarten"* organized by the Patras Chapter of the "World Organization for Early Childhood Education" and the University of Patras, 15-16 May 2009
[8.VIII.28.]	Fesakis G., (2008). Rapid e-learning methodology for the production of digital courses, *Meeting: Open on-line courses and learning materials for Dodecanese topics*. University of the Aegean, Rhodes, 19 OCT 2008
[8.VIII.29.]	Fesakis G., (2008). Designing microworlds to construct the probability concept, *Meeting: Digital world of preschool education*, University of the Aegean, Rhodes, 17 May 2008
[8.VIII.30.]	Fesakis G., (2008). Internet services, web 2.0 and educational design, *Meeting: Educational Planning & Development*, 10 May 2008, University of Aegean, Rhodes
[8.VIII.31.]	Fesakis G., (2008). Microworlds for stochastic experiences, *Meeting: Digital world of preschool education*, University of Crete, Rethimno, 28 FEB 2008

8.IX Articles in journals without review

[8.IX.1.]	Fessakis, G. (2018). On the occasion of the World Safer Internet Day, February 6, 2018, On the University of the Aegean Texts Blog for World Days, http://sae.aegean.gr/schoolevent/παγκόσμια-ημέρα-ασφαλούς-διαδικτύου
[8.IX.2.]	Serafeim K., Fesakis G., (2009). Digital pedagogical materials development using SCRATCH, *Journal «Modern Kindergarten»*, Athens: Dypticho publications, Vol. 68, pp. 86-96.
[8.IX.3.]	Fesakis G., & Tasoula E., (2007). Concept construction and development by kindergarten children using a robotic navigator. *Journal «Modern Kindergarten»*, Athens: Dypticho publications, Vol. 56, pp. 98-106.

8.X Student notes & course syllabus

After the election as associate professor:

[8.X.1.]	Fessakis, G. (2018). Course syllabus: e-learning, University of the Aegean/DPEED/Masters' Program 'New Forms of Teaching and Learning".

After the election as assistant professor:

[8.X.2.]	Fesakis, G., (2015). Course syllabus: Modern teaching methods in Informatics and Communication Education, University of the Aegean/Department of Information and Communication Systems Engineering/ Masters' Program "ICT Didactics "
[8.X.3.]	Fesakis, G., Komis, V., (2015). Course syllabus: Design Development and Assessment of ICT Applications in Teaching Practice, University of the Aegean/DPEED/Masters' Program 'Teaching Science and ICT in Education: interdisciplinary approach"
[8.X.4.]	Fesakis, G., Varsamou, A. (2014). Course syllabus: Educational games, University of the Aegean/DPEED/Masters' program "Children books and pedagogical material"
[8.X.5.]	Fesakis G., Lazakidou, G. (2014). Course syllabus: ICT in governance of educational units, University of the Aegean/DPEED/Master Program "Models of Educational Planning and Development"
[8.X.6.]	Fesakis, G., Meimaris, M., Skopeteas, G. (2014). Course syllabus and detailed lesson planning for e-learning course: Theory, Technology and Applications of Digital Storytelling, University of Aegean/ Lifelong Learning
[8.X.7.]	FesakisG. (2013). Student notes for the course: introduction to the Educational Applications of ICT, University of the Aegean/DPEED, pages: 65

After the election as lecturer :

[8.X.8.]	Fesakis G., Dimitracopoulou A., (2010), Course syllabus : Models for ICT integration in education, University of the Aegean/DPEED/Master Program "Models of design and development of educational units"
[8.X.9.]	Fesakis G., (2010), Course syllabus : Design and administration of educational units' equipment, University of the Aegean/DPEED/Master Program "Models of design and development of educational units"
[8.X.10.]	Fesakis G. (2010), Course syllabus: Design and development of internet applications and services of ICT for education, University of the Aegean/DPEED
[8.X.11.]	Fesakis G., Dimitracopoulou A., (2010), Course syllabus: Applied didactics of ICT, University of the Aegean/DPEED
[8.X.12.]	Fesakis G., Dimitracopoulou A., (2010), Course syllabus: Introduction to educational applications of ICT, University of the Aegean/DPEED
[8.X.13.]	Fesakis G., Dimitracopoulou A., (2010), Course syllabus: Technological educational material, University of the Aegean/DPEED/Masters' program "Children books and pedagogical material"
[8.X.14.]	Fesakis G., Dimitracopoulou A., (2010), Course syllabus: Learning and ICT, University of the Aegean/DPEED
[8.X.15.]	Fesakis G. (2010), Course syllabus: Design and development of ICT applications and products for Mathematics education, University of the Aegean/DPEED

Before the election as lecturer:

[8.X.16.]	Fesakis G. (2006), Student notes for the course: Learning activities for Geometrical concepts, University of the Aegean/DPEED, pages:135

[8.X.17.]	Fesakis G. (2006), Student notes for the course: Design and development of ICT products and applications for Mathematics education, University of the Aegean/DPEED, pages:117
[8.X.18.]	Fesakis G. (2005), Student notes for the course: ICT Didactics, University of the Aegean/DPEED, pages:118

8.XI Translation editing and endorsement

After the election as associate professor:

[8.XI.1.]	Editor of book translation in collaboration with Dr. Andreas Moutsios-Rentzos of the book: Silver, C., Lewins, A. (2018). Using Software in Qualitative Research: A Step-by-Step Guide, First Edition: Sage Publishing, 2014. Greek edition by Liberal Books., p. 426, translated by: Stavroula Prantsoudi. ISBN: 978-618-5012-38-0.
[8.XI.2.]	Invited Endorsement of the book: Friese S. (2019). *Qualitative Data Analysis with ATLAS.TI*, 3rd Edition, Sage Publishing, ISBN: 978-1-5264-4623-7

8.XII Research Reports

Selection of publicly available research reports and theoretical frameworks.

[8.XII.1.]	Fesakis G., Prantsoudi S., Koutsomanoli-Filippaki D., Özçınar, H., Öztürk, T., Aylar-Çankaya, E., Serbec,, I., & Paros D.N. (2022). Guideline for teaching integrated and culturally responsive computational thinking skills for primary students. INCTCORPS Project Report, pau.edu.tr/inctcorps (104 pages)
[8.XII.2.]	Fesakis, G., Koutsomanoli-Filippaki, D., Volika, S., Triantafyllou, St., Tzioufas, N., Lehmenkühler, L. A., Taranto, E., Barlovits, S., Ludwig, M., Kleine, M., Mammana, F., Caldeira, A., Jablonski, S., Oehler, K., Lázaro, C., Moura, A., Recio, T. (2022). ASYMPTOTE Theoretical Backround: Teaching and learning mathematics online (1st ed.). ASYMPTOTE Project Report, https://asymptote-project.eu/ (75 pages)
[8.XII.3.]	Fesakis, G., Prantsoudi, S., Mavroudi, E., Volika, S., Kefalas, I. (2022). Computational Thinking Integration Guide for Teachers (5th ed.). Rhodes, Greece: University of the Aegean - LTEE Lab. (242 pages)

8.XIII Book authoring

After the election as full professor:

[8.XIII.1.]	Fessakis, G., & Konstantopoulou, A. (2022). Digital learning experiences for preschool and early school age, [Undergraduate textbook in Greek] Kallipos, Open Academic Editions., pp. 400, ISBN:978-618-5667-28-3, DOI: http://dx.doi.org/10.57713/kallipos-31, (CC BY-NC-SA 4.0)

After the election as associate professor:

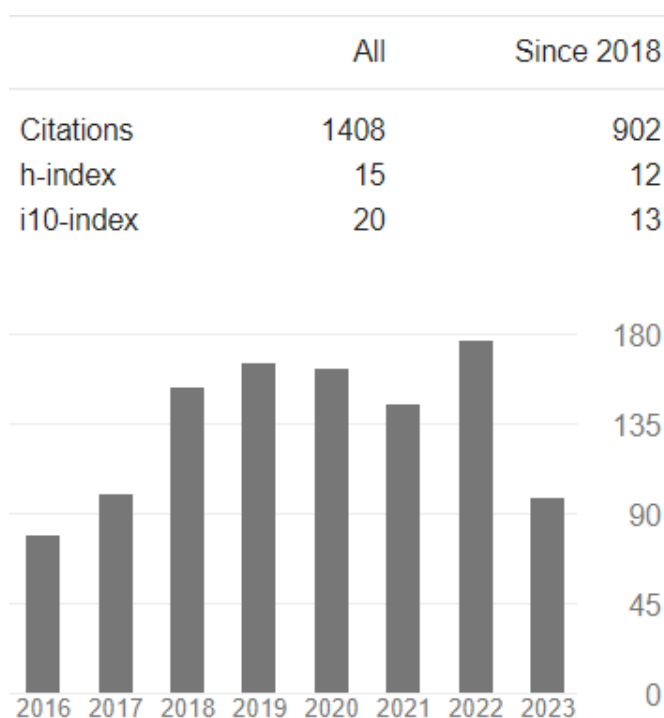| [8.XIII.2.]	Fessakis, G. (2019). *Introduction to Digital Technology Applications in Education: From Information and Communication Technologies (ICT) to Digital Ability and Computational Thinking*, Athens:Gutenberg, pp. 654, ISBN: 978-960-01-1998-5.
[8.XIII.3.]	Fessakis, G., Lazakidou, G. (2017). *Information & Communication Technologies and Governance of Educational Organizations*, Athens:Diadrasi, pp. 318, ISBN: 978-618-5059-65-1.

8.XIV   Citations on the publications

In this section some statistics are presented about the international citations of the published works according to Google Scholar service. The review of the citations helps to estimate the impact of the published works on the scientific community. The data about the citations are not complete since they concern only part of the works in the English language. Moreover they are updated until 5/7/2023. Current data are available on my Google scholar profile at: https://goo.gl/AFERZd. Citations data are also available at my profile on ResearchGate service at: https://www.researchgate.net/profile/Georgios_Fesakis.

More specifically according to Google Scholar the evolution of the citations by year is represented on graph 1.

	All	Since 2018
Citations	1408	902
h-index	15	12
i10-index	20	13

Graph 1. Citation by year according Google Scholar until 5/JUL/2023

According to graph 1 Google Scholar counts 1408 total citations (902 after 2018). There are 15 articles with more than 15 citations (h-index=15). There are also 20 papers with more than 10 citations (i10-index=20).

9. ACADEMIC ACTIVITY

9.I Member of scientific associations

[9.I.1]	Computer Society and Education Society of the Institute of Electrical and Electronics Engineers (IEEE).
[9.I.2]	Association for Computing Machinery (ACM) and ACM/Computer Science Teachers Association (CSTA).
[9.I.3]	National Council of Teachers of Mathematics (NCTM)
[9.I.4]	Member of Greek Computer Scientists Association (ΕΠΕ)
[9.I.5]	International Society of the Learning Sciences (ISLS)
[9.I.6]	Member of the Greek Computer Society (ΕΠΥ)
[9.I.7]	Member of the Hellenic Scientific Association for the Information and Communication Technologies in Education (HICTE/ΕΤΠΕ).
[9.I.8]	Hellenic Association for Mathematics Education Researchers (EN.E.DI.M).
[9.I.9]	Member of the Registry of Trainers of Continuing Vocational Training of EKEPIS, Reg. no:713377.
[9.I.10]	Member of the Registry of Adults' Trainers of the Ministry of Education/ General Secretariat for Lifelong Learning / Foundation for Youth and Lifelong Learning
[9.I.11]	Member of the registry of National Centre of Public Administration EKDDA, (Reg. Dec. 5146/20-05-2014)

9.II Scientific committees' participation

9.II.1 SCIENTIFIC REVIEW COMMITTEES

I have been member of the scientific committee for several conferences, journals, and collective volumes. A selection of the conferences follows:

Journals

[9.II.3.1]	Computers & Education, International Journal, Elsevier
[9.II.3.2]	Creative Education, International Journal, Scientific Research
[9.II.3.3]	Computer Science Education, Taylor & Francis
[9.II.3.4]	International Journal of Mobile Learning and Organisation, Interscience online
[9.II.3.5]	Journal of Education and Learning (EduLearn)
[9.II.3.6]	Themes in Science and Technology Education, Journal, http://earthlab.uoi.gr/theste/index.php/theste
[9.II.3.7]	Themes in Science and Technology Education, http://earthlab.uoi.gr/thete/index.php/thete
[9.II.3.8]	Preschool and Primary Education, http://www.childeducation-journal.org/
[9.II.3.9]	The International Journal of Technology in Mathematics Education

[9.II.3.10]	The International Journal of Technologies in Learning, The Common Ground Publishing Team

Collective volumes

[9.II.3.11]	M. S. Khine (Ed.) (2018). Computational Thinking in the STEM Disciplines: Foundations and Research Highlights. Switzerland: Springer
[9.II.3.12]	Reviewer in the collective volume: Research on e-Learning and ICT in Education (Springer Book), 2015, Editor: N. Zaranis
[9.II.3.13]	Research on e-Learning and ICT in Education, (Springer Book), 2014, Editors: Karagiannidis, C., Politis, P., Karasavidis, I.
[9.II.3.14]	Reviewer in the collective volume: Research on e-Learning and ICT in Education, (Springer Book), 2012, Editor: A. Jimoyiannis

Conferences

[9.II.3.15]	CONSTRUCTIONISM – FabLearn
[9.II.3.16]	CSTA – ACM CSTA Annual Conference
[9.II.3.17]	DidInfo – Pan-Hellenic Conference "Didactics of Informatics"
[9.II.3.18]	ECGBL- European Conference on Games Based Learning
[9.II.3.19]	ECIAIR - European Conference on the Impact of Artificial Intelligence and Robotics
[9.II.3.20]	GALA Conf - Games and Learning Alliance conference
[9.II.3.21]	GAMIFIN - International GamiFIN Conference
[9.II.3.22]	ICTMT- International Conference on Technology in Mathematics Teaching/
[9.II.3.23]	IDSTC - International Digital Storytelling Conference
[9.II.3.24]	ITiCSE - Annual Conference on Innovation and Technology in Computer Science Education
[9.II.3.25]	Pan-Hellenic conference with international participation for the Educational material in Mathematics and Science Education
	Pan-Hellenic Scientific conference, «Integration and use of ICT in educational process»
[9.II.3.26]	ROSEDA
[9.II.3.27]	SIGCSE - ACM SIGCSE Technical Symposium, improving computing education in K-12 and higher education

9.II.2 CONFERENCES' ORGANIZING COMMITTEES

After the election as assistant professor:

[9.II.2.1]	CIEAEM 64 – International Commission for Study and Improvement of Mathematics Education conference: Mathematics Education and Democracy: learning and teaching practices, University of the Aegean, Rhodes, Greece, 23-27 July 2012

After the election as lecturer:

[9.II.2.2]	8th International Conference on Computer Supported Collaborative Learning, CSCL-2009: CSCL Practices, June 8-13, 2009, University of the Aegean, Rhodes Greece

| [9.II.2.3] | 3rd Pan-Hellenic Conference of the Union of Didactics of Mathematics Researchers, Mathematics Education and Family Practice, ENEDIM, Learning Technology and Educational Engineering Laboratory DPEED, 29-31/10/2009, Rhodes. |

Before the election as lecturer:

| [9.II.2.4] | 3rd Pan-Hellenic Conference with international participation, "ICT in Education", HCICTE, Rhodes, 26-29/9/2002. |

9.II.3 SCIENTIFIC MEETINGS ORGANIZATION

After the election as associate professor:

[9.II.4.1.]	Co-organization of training workshops with Teachers' Coordinators of the 2nd Regional Education Planning Center of South Aegean: 1) "*Training French Language Teachers in Learning Design Using Augmented Reality*", by the Coordinator of the French Language Teachers, Rhodes, 08-05-2019. 2) "*Using Augmented Reality in Literature Courses*", by the Coordinator of the Literature Teachers, Rhodes, 13-05-2019. 3) "*Designing educational scenarios, utilizing Augmented Reality in the light of Sustainability*". of the Coordinator of Sustainability, Rhodes, 13-05-2019.
[9.II.4.2.]	Educational 2-day Workshop*: "MathCityMap - Doing math outdoor with mobiles",* 30 March – 1 April 2018, University of the Aegean, Rhodes, with central lecturer Prof. Dr. Matthias Ludwig, Institut für Didaktik der Mathematik und Informatik, Johann Wolfgang von Goethe – Universität
[9.II.4.3.]	Training workshop entitled: "Design, construction and programming of robotics applications for elementary school children". The program was implemented at the DPEED Learning Technology and Educational Engineering Laboratory, 12/12/2015, on the occasion of the 2nd National Robotics Competition for Primary School Students (8-12 years), (WeDo scratching), organized by the non-profit organization of Robotics Education and Science (WRO Hellas) under the auspices of the President of the Republic. 17 teachers from the island of Rhodes and Symi participated in the laboratory training.
[9.II.4.4.]	Co-organization of training workshop on the Butterflies Environmental Education Center entitled "Environmental Awareness about Sustainability through Games", Rhodes, 24-25/11/2017. At the seminar I was responsible of the digital game component.

After the election as assistant professor:

[9.II.4.5.]	"ICT and space-map concepts in preschool education", 2-day meeting organized in collaboration with the Directorate of Primary Education of Ileia Prefecture, the Primary School Consultant of the 28th District and the Learning Technology, in the TEI o Pyrgos, 12 & 13 June 2015.
[9.II.4.6.]	"Design, construction and programming of Robotics applications for primary school children", hands-on educational seminar organized in collaboration with the Computing School Consultant of Dodecanese and the Center of Informatics and New Technologies of Dodecanese, in occasion of the 1st Pan-Hellenic Robotics Competition for primary education students (8-12 years old), entitled "My city" – (WeDo scratching), organized by WRO Hellas with the support the Greek Ministry of Education,13 December 2014
[9.II.4.7.]	**"Online reputation management for teachers"** meeting for the above subject organized in collaboration with the Youth Consulting Station of Dodecanese of the Ministry of Education, in the 5th High school of Rhodes, 16 March 2013
[9.II.4.8.]	"Familiarization with the gardeners' online community and its potential educational use", educational meeting 2-day organized in collaboration with the Environmental Education Center Edessa-Giannitsa, 7 and 8 March 2013.

After the election as lecturer:

[9.II.4.9.]	Scratch Day 2010 at Rhodes. Educational applications of Scratch. University of the Aegean. Rhodes, 22 MAY 2010, http://scratchdaygr.blogspot.com/
[9.II.4.10.]	Rapid e-learning methodology for the production of digital courses. Meeting: Open online courses and learning material for Dodecanese topics. University of the Aegean, Rhodes, 19 OCT 2008
[9.II.4.11.]	Designing microworlds for stochastic concepts, Meeting: Digital world of the preschool education, University of the Aegean, Rhodes, 17 MAY 2008

10. RESEARCH PROJECTS

[10.1]	**ELPEIDA: (3/3/2023-30/06/2023).** This project concerns the development of the innovative learning software for the Kindergarten (ELPEIDA = Preschool Education Software for Creativity and Cognitive, Emotional and Social Development Skills) with corresponding educational scenarios, adapted to the requirements of the new Preschool Education curriculum for the Greek school as well as the training and supporting the implementation of a sufficient number (500+) pre-school teachers to use this software with mobile or other digital devices in real classroom conditions. The contracting authority is the Greek Institute of Educational Policy, Call No.: 6/2022, *"Development of educational software for preschool education and provision of digital educational/training material - Distance training and support of teachers"*, Action: *"Pilot interventions to support the utilization of advanced Information Technologies and of Communications in Preschool Education"*. The contractor is the University of Patras/ELKE with Professor Vassilis Komis as the scientific director. My main responsibilities in the project include: Participation in the editing of the application with software specifications, coordination of the software design and development team in the project, participation in the training design and coordination of the training scenario development team.
[10.2]	**DiToM: (2023-2026).** DiToM (Digital Tools in Mathematics) is an proposal submitted to *Erasmus+ KA2 – Cooperation for Innovation and the Exchange of Good Practices.*The project proposal is approved by DAAD and the 36 months project will start during 2023. The aim of this project is to bring this expertise together and create a continuous diagnostic instrument that teachers can use to measure basic skills in arithmetic and algebra at the end of a two-year learning period. Thus, four diagnostic tests will be created that incorporate visuo-spatial skills required for number learning. Furthermore, the projects aims to explicitly acknowledge the special needs of inclusive classrooms for the application of diagnostic tools. Coordinator of the project is the University of Bielefeld/Faculty of Mathematics/Institute for Didactic Mathematics (IDM). PI: Prof. Dr. Michael Kleine & Prof. Dr. Andrea Peter-Koop.
[10.3]	**INCTCORPS: (28/2/2022-28/2/2024).** INCTCORPS (Integrated and Culturally Responsive Computational Thinking Curriculum for Primary Students) concerns the design and development of an unplugged curriculum for Computational Thinking integrated in primary education arts and literature courses. It is important to establish solid integrated curriculum in different subject areas as well as given the age of the school children a culturally responsive curriculum is a must to include social and emotional aspects. We want encourage an alternative education model for teachers, local and national education institutions. It is expected that all the stakeholders wishing to make computational thinking widespread in primary schools as an important skill of the 21st century, will benefit from this program.Beside that, we want to re-produce cultural heritage through a new educational paradigm of the 21st century skills: "computational thinking". Coordinator of the project is Pamukkale Üniversitesi/Department of Education and PI is Prof. PhD Hüseyin Özçınar. More information for the project: https://sites.google.com/view/inctcorps

[10.4]	**ASYMPTOTE: (1/3/2021-28/2/2023).** The ASYMPTOTE (Adaptive SYnchronous Mathematics Learning PaThs for Online Teaching in Europe) project is an Erasmus+ Strategic Partnership in the key action KA226 (DAAD) (grant no. 2020-1-DE01-KA226-HE-005738). The project aims at the development of both, a website and a mobile application, for the conduct of synchronous online and distance mathematics education. The tool enables lecturers and teachers to select already existing or to create own tasks and mathematical learning paths, i.e. a sequence of tasks. The Goethe University is the ASYMPTOTE Project Coordinator, with PI Prof. Dr. Matthias Ludwig head of Institut für Didaktik der Mathematik und der Informatik. More information about the project at: https://asymptote-project.eu/
[10.5]	**NEW NATIONAL CURRICULUM (17/11/2020-31/12/2021):** I am participating, in the projects titled "Upgrading the Curriculum and Creating Educational Materials for Primary and Secondary Education" (MIS: 5035542) and "Training of teachers in Primary and Secondary Education Curricula and educational materials" (MIS: 5035543) of the Greek Institute of Educational Policy. My responsibility was the coordination of the working group for the development of the new national curriculum for Informatics in grades 7th- 9th . In addition I participated in the design and implementation of the teachers training program, a relevant MOOC development and the pilot implementation of the new curriculum for its validation and revision. Our group had also to produce technical requirements for the students textbook.
[10.6]	**COMPUTATIONAL THINKING AT SCHOOL: (1/9/2019-31/8/2022).** Scientific Coordinator of the University of the Aegean on the Erasmus + (2019-1-EL01-KA201-062883), Exchange of Good Practices program, entitled: Computational Thinking at School, (CompuT), for a period of three years [01/09 / 2019-31 / 8 / 2022], and a budget of € 226,131.00. Secondary Education Schools from Greece, Spain, Portugal, Norway participate in the Strategic Partnerships Program KA2, School Education Sector, with the Coordination of the Directorate of Secondary Education of Dodecanese, which applied the proposal in collaboration with the University of the Aegean. During the program secondary education teachers will train in integrating Computational Thinking into their educational practice. More information: http://ltee.aegean.gr/comput/
[10.7]	**«TRAINING OF ICT 2ND LEVEL TRAINERS» - PAKE: (28/11/2018-31/10/2019)**. Scientific partner in the project "Training of ICT 2nd level trainers", code 5833.01 implemented in the framework of the project "Training of ICT trainers". of Human Resources Development, Education and Lifelong Learning, Act entitled MIS 5000065, which is co-funded by the European Union ECB and National Resources of the University of Thessaly, with Senior Scientific Assistant Dr. Panagiotis Politis. The program had the main purpose of training 300 new ICT trainers at the University Training Centers (PAKE). In the context of this project my responsibilities include: 1) Scientifically Responsible of the training of primary education trainers, 2) Coordinator of the authoring team for the production of additional educational material for primary education, 3) Design and creation of additional educational material and 4) teaching at PAKE of Corinth. In the separate subproject of the production of additional educational material, I coordinated a six-member working group that produced material for at least 35 hours, distance training,

mainly in new modules that were not covered by the existing material.

[10.8]

INTERNATIONAL CHALLENGE ON INFORMATICS AND COMPUTATIONAL THINKING "CASTOR" (BEBRAS) GREECE: **1/12/2017-present:** Coordinator of the Greek Organizing Committee and a Representative in the international community of the "Castor" Informatics and Computational Thinking Student Challenge (Bebras.gr). The Bebras®, or "Castor", Challenge was launched by Professor Valentina Dagiene of the University of Vilnius, Lithuania, in 2004, aiming to promote Computer Literacy. The Bebras Challenge is today an international initiative of The Bebras Community, (http://bebras.org), aiming to develop Informatics and mainly Computational Thinking among teachers and students. The challenge is open to students of all levels of education, from preschool to high school. More and more countries around the world are hosting the Bebras challenge, which is the extracurricular IT activity with the world's largest audience. In 2017, Bebras challenges were held in more than 40 different countries, with a total of about two million students participating. During the 2018-2019 school year, "Bebras" took place in 56 different countries and a total of approximately 2,700,000 students participated. At the same year, it was organized for the first time in Greece by the LTEE lab (http://ltee.aegean.gr) of the University of the Aegean, in collaboration with various organizations, associations and volunteers. In the first competition held in schools between 25/02/2019 - 08/03/2019, 398 schools and more than 13,000 students of all levels of education from all regions of the country participated.

In the context of the Bebras-Castor Challenge organization in Greece, I participated, as Head of the Greek delegation, in the intensive workshops for the creation and selection of the competition topics, organized each year by the Bebras community:

1) 14th International Bebras Tasks Workshop (IBW2018), 7-11 May 2018, Bebras Community & Cyprus Computer Scociety, Protaras, Cyprus.

2) 15th International Bebras Tasks Workshop (IBW2019), 12-17 May 2019, Bebras Community and Eötvös Loránd University, Faculty of Informatics, Hungary.

For the purposes of the challenge, a website and a system for the management and implementation of the competition were developed. A process for the creation and contribution of subjects to the community by Greek scientists was also organized. Data on students' participation to the challenge are analyzed and training teachers in organizing the competition and computational thinking in general is organized.

[10.9]

DEVELOPMENT OF AUGMENTED REALITY LOCATION-SENSITIVE GAMES FOR MOBILE DEVICES FOR THE "OPEN DOORS" EVENT: **(1/8/2016-30/9/2016 & 1/8/2019-30/9/2019).** Design and development of augmented reality spatial games for mobile devices for the Open Doors / European Heritage Days event organized by Rhodes International Culture & Heritage Society (RICHeS) in Rhodes. Open Doors is a RICHeS initiative launched in 2010. It has since become a popular cultural event in the city of Rhodes, with thousands of visitors, locals and tourists. For the Open Doors I have coordinated the design and development of two games: 1) For the Open Doors of September 2016 "The Knights of Rhodes", the

	mystery game "Rhodes 1521" concerning the Knights. and 2) For the September 2019 Open Doors the interactive game-guide "Open Doors 2019" concerning the interactive historical tour on selected monuments. The games run on the visitors' mobile devices on the scenic backdrop of the medieval town of Rhodes, giving information on each subject. The games are available and used in educational and recreational events by educators, cultural associations and visitors.
[10.10]	**DESIGN, DEVELOPMENT AND SUPPORT OF THE E-LEARNING SERVICES OF THE MASTERS' PROGRAM "MODELS OF DESIGN AND DEVELOPMENT OF EDUCATIONAL UNITS": (1/9/2016-Today)** Scientifically responsible for the introduction and utilization of synchronous and asynchronous distance education technologies in the Masters' program "Models of Design and Development of Educational Units", in the context of the project: "Development of an electronic platform with modern training methods using digital media, within the rules of science and technology and technical support and maintenance of the online platform for the needs of the graduate students' courses". As part of this project, the electronic platform (Moodle + BBB) was developed and teachers and students were trained on how to use it. Certain effort was given to the development of the capacity to produce educational material and apply modern teaching-learning methods through social interaction and collaboration. Many lectures are now conducted online (30% -50%), reducing the cost of attendance and maintaining the necessary level of quality in monitoring the Masters' procedures.
[10.11]	**"SCHOOL GARDENERS" ONLINE COMMUNITY OF PRACTICE: (1/12/2012-31/12/2017).** Scientific partner of the online community of practice "School Gardeners" of Environmental Education Center of Edessa-Giannitsa in the framework of the thematic network environmental education "School Gardens". My main responsibilities in the project was the learning design of the OCoP, the teachers training, the development of the OCoP web site and the design of the community management and facilitation. Project manager is Mrs. Sofia Theodoridou, administrator of the Environmental Education Center.
[10.12]	**TECHNO-RECYCLING: (1/3/2013-30/9/2014).** Research fellow at the project: *«**Techno-Recycling**: Development of interactive methodology of the cultivation of creative thinking and the environmental awareness, the teaching and demystification of science through the construction of experimental instrument-devices using recyclable materials»* (http://technorecycle.gr/) in the framework of the action ARCHEMIDES III of ESPA national development program. Scientific responsible Prof. Emeritus Athanasios Zisos, and in collaboration with Prof. Antonios Baldukas. My responsibilities in the project concerned the technical report about the coordination of interactive training, the design of the project portal and the results dissemination
[10.13]	**DIGITAL SCHOOL: Interactive textbooks, Digital educational content: (2/2/2012 – 31/8/2012 & 2/1/2013 - 1/08/2013)** (http://dschool.edu.gr/). Research Fellow at the CTI project entitled **«Digital Educational Platform Specifications, Digital Knowledge Base Development, Digital Modulation and Technical Meta-annotations of Educational Material, Infrastructure for Exemplary Teaching and Utilization of Collaborative Web»**. The project was included in the Operational Program «Education and Lifelong Learning» which is co-funded by the EU (The European Social Fund) and

Greek national funds (NFSR, 2007-2013). The project involved *the design and development of digital interactive material*, *as well as the selection and adaptation of appropriate existing material*, *with the aim of enriching the electronic version of the textbooks*, in accordance with the where-appropriate pedagogical and technical specifications. My participation in the project concerned the enrichment of the Mathematics school textbooks, with scientific responsible, Prof. Chronis Kynigos.

[10.14]

IT APPLICATIONS IN EDUCATION GROUP OF CTI: **(1/6/2011-31/12/2012).** Scientific partner-member of the "IT applications in Education" group within the framework of the CTI no No D240/21-03-2011_TEK call, regarding the implementation of the projects *«Training teachers in the use and exploitation* **of** *ICT in teaching practice».* My responsibilities included participation in scientific teams for:

- Providing expertise and scientific documentation on specific scientific subjects regarding the utilization of information and communication technologies in education

- Developing, modifying and updating training material for trainers' training and teachers' training.

- Customizing the training material for the purposes of implementing mixed-model teachers' training

In the case of ICT teachers specifically, in cooperation with the scientific coordinator, Prof. Vasilios Komis

[10.15]

NEW SCHOOL (21th Century School) – NEW ICT CURRICULUM: **(29/10/2010-31/12/2012).** Member of the Experts Committee, responsible for the development of the new ICT and Informatics curricula within the framework in the project: "New School (21th Century School) – New Curriculum, in the 1, 2, 3 Priority Axes – Horizontal Action", of the Institute of Educational Policy (IEP). General Scientific Coordinator: Associate Prof. Athanasios Tzimogiannis and scientific project coordinator: Christos Doukas, Vice President of IEP. More specifically, I participated in the Sub-project 1 titled: *«Development of the curricula of Primary and Secondary Education and of the Teachers' Guide "Tools for Teaching approaches"».* The project team developed the modern curricula for ICT and Informatics literacy that meet the international standards such as those of ACM and ISTE. Within the framework of the project, Teachers' Guides containing material and lesson plans that implement the new curricula, was also developed.

[10.16]

NEW SCHOOL (21th Century School) – TRAINING AND PILOT APPLICATION OF THE NEW ICT CURRICULUM: **(21/10/2011-30/11/2012).** Participation as an expert, with the role of providing support at the training processes and to the trainers, during the training actions taking placing within the framework of the project: "New School (21th Century School) – New Curriculum, in the 1,2,3 Priority Axes – Horizontal Action", of the Institute of Educational Policy (IEP), for the purposes of the Sub-project 7, titled: **«Design, Monitoring and internal/formative assessment of the pilot application of the new curricula and of the training processes».** Within the framework of this project, both training programs and training material were developed. The training of the teachers and headmasters of the pilot schools as well as of the school advisors was also coordinated. The training involved the

	implementation and the assessment of the new ICT and Informatics curricula.
[10.17]	**PAKE: (8/6/2011-31/3/2012)**. Deputy coordinator and trainer at the University Training Center (**PAKE**) of the University of the Aegean for the trainers training about ICT integration in education in the framework of the project "Teachers training for the utilization and the integration of ICT in their teaching practice" of OEPEK. Scientific responsible of the project was Prof. Angelique Dimitracopoulou. My main responsibilities for this project include the preparation of its proposal, the organization and the operation of the training center as well as the teaching of training courses.
[10.18]	**BUILDING ROBOTS IN RHODES (1/2/2010-30/6/2010)**. Coordinator of the project "**Building Robots in Rhodes**" for the Municipality of Rhodes. During the project I designed and implemented educational robotics training program delivered to 20 teachers and 60 students from schools of Rhodes using lego mindstorms. The project was granted by "Stavros Niarchos Foundation". The training was designed using the studio learning approach. One of the trained groups took the first place in the Greek educational robotics contest of 12 June 2010 (http://wrohellas.gr) and represented Greece in the world robotics contest at Philippines.
[10.19]	**PROFESSIONAL DEVELOPMENT OF COMPUTER SCIENCE TEACHERS (26/3/ - 6/4/2008).** Associate to the project "Professional development of Computer Science Teachers" of Greek Ministry of Education. In the context of the project I was training designer, training material developer and trainer for 120 trainers who will train Computer Science teachers all over Greece. The training program had 50 hours duration and was implemented from 25 March to 6 April 2008 at University of Patras. Coordinator of the project was Prof. Panagiotis Pintelas.
[10.20]	**EPINOISIS (2007-2008).** Scientific partner to the project EPINOISIS: "Teachers professional development and educational material production for people with mental retardation". The training was for 400 hours while teachers learnt how to use, design and develop digital games for learning. My responsibilities included teachers training the running of the training center for Dodecanese. Coordinator of the project was Prof. Michael Meimaris of Communication and Mass Media department of University of Athens.
[10.21]	**SELECTION AND PREPERATION OF e-LEARNING EDUCATIONAL CONTENT ABOUT DODECANESE. (2007-2008)**. Project in the framework South Aegean Regional Operational Program (ROP) 2000-2006 by the Dodecanese Prefecture. Main goal of the project was the design and development of about 40 e-learning modules about local history, culture, environmental, and archaeological themes. The modules are open to the public on the http://lms.nad.gr. My main responsibility was the coordination of the e-learning team along with the management of the project. Project coordinator, University of Aegean Prof. Chrysi Vitsilaki.
[10.22]	**DIGITAL WORLD OF PRESCHOOL EDUCATION (2006-2008)**. Project in the framework INTERREG III Greece – Cyprus 2000-2006 of the European Initiative. The project aims mainly to the development of a portal with learning activities to promote the interaction among the children of the two countries while in the axis of physical interaction the project will support congresses implementation and professional development actions. In the project I contributed mainly to the design of the resource center portal of the

project and to the development interactive multimedia educational applications for the preschoolers accessible from the internet. Project coordinator for the University of Crete is Prof. Georgios Kitsaras, and for University of Aegean Prof. Fragiskos Kalavasis.

[10.23]	**INTERACTION ANALYSIS (2005-2006)**. Supporting participants in technology-based learning activities: Jointly Executed Integrated Research Project in the framework of Kaleidoscope NoE. Prof. Angelique Dimitracopoulou. It is a continuation of the ICALTS project below.
[10.24]	**RECOIL (2004-2006).** Resources for COllaborative Inquiry Learning. In the framework of e-learning initiative of European Commission. Project coordination: Dr. Wouter R. van Joolingen, Universiteit van Amsterdam, Graduate School of teaching and learning, Wibautstraat 2-4, AMSTERDAM. Investigation of inquiry learning promotion in European Educational reality synthesizing the views of three research projects (ModellingSpace, CoLaB και VITEN). My responsibilities included: contribution to the development of resource center for the application of collaborative inquiry learning and design of learning activities.
[10.25]	**ICALTS (2004-2005)**. Interaction & Collaboration Analysis supporting Teachers & Students Self-regulation. Jointly Executed Integrated Research Project in the framework of Kaleidoscope NoE. Project Coordinator prof Angelique Dimitracopoulou. In this project I contributed in the examination, design and implementation of interaction analysis tools for Computer Supported Collaborative Learning Environments. I also designed, developed and maintain the projects web site.
[10.26]	**MOSIL (2004-2005)**. Mobile Support for Integrated Learning. Jointly Executed Integrated Research Project in the framework of Kaleidoscope NoE. Scientific coordinator Prof. Pierre Dillenbourg. CRAFT, Center for Research and Support of Training and its Technologies, Swiss Federal Institute of Technology Lausanne. In the framework of the project I contributed to the design, experimental application and evaluation of scenarios for mobile learning and exploitation of mobile technology in education. We also explored formal representation methods for learning scripts that enable automated delivery and implementation.
[10.27]	**MODELLINGSPACE (2001-2003)**. Information Society Technologies, IST-2000-25385, Education and Training, School of Tomorrow, Space of Ideas expression, modelling and collaboration for the development of imagination, reasoning and learning, Design, development and evaluation of the collaborative learning environment system and the accompanied material, appropriate for the educational system of four countries (Greece, France, Belgium, Portugal). Scientific Project Manager, Angelique Dimitracopoulou. My responsibilities include: contribution to the edition/production of the deliverables: D01-User Requirements, D02-Pedagogical approach. Pedagogical validation using qualitative field research. Design of learning activities.
[10.28]	**Aegean DOLPHIN (1998-2000).** Distance and Open Learning Programs on Hellenic Interactive Network. Greek Ministry of Education/EPEAEK Project-Distance Education Projects, Scientific Coordinator: Prof. O. Sakellaridis. My main responsibilities include **a.** administration of learning center at Rhodes Island. **b.** Collection and first processing of data for assessment of the pilot

	project.
[10.29]	**PARACHUTE (1994–1996).** Parallel Constraint Handling for User Technologies (PARACHUTE), ESPRIT Project, EP 9134 (May 1994 – Sept. 1996). Design and development of airline crew scheduling system. Scientific manager and project coordinator: Prof Constantin Halatsis. In the framework of the project an innovative crew scheduling optimization system has been developed using UNIX, C++ & ORACLE platform based on the general set partitioning problem. My main responsibility was the development of set partitioning module using constrained programming.

11. MANAGEMENT & ADMINISTRATIVE EXPERIENCE

[11.1]	Vice President of DPEED, elected for service from 1/9/2018-31/8/2020 & 1/9/2020-31/8/2022. I among several other issues managed the reform of the departments' curriculum and lead the implementation the accreditation process by the Hellenic Authority for Higher Education during 2021-2022.
[11.2]	Chair of the DPEED Committee of Studies and Academic Affairs. As chairman of this committee, among other tasks, I edited and updated the DPEED Study Guide. for the academic years 2018-2019, 2019-2020, 2020-2021 & 2021-2022. The guide is posted at: http://www.pse.aegean.gr/?page_id=5421
[11.3]	Deputy Representative of the Department in the Research Committee of the University of the Aegean.
[11.4]	Chair of the DPEED Committee for the Selection of Teaching Staff under University Scholarship for the 2018-2019 Academic Year, in the context of the Act "Acquisition of Academic Teaching Experience for Young Scientists-PhD holders during Academic Year 2018-2019 at the University of the Aegean" (EDBM82), of the Operational Program "Human Resources Development, Education and Lifelong Learning" co-funded by the European Union (European Social Fund) and National Resources. Member of the same committee in 2019-2020.
[11.5]	Chair of the Selection Committee of PhD Candidates for the 2018 & 2019 Calls for Expressions of Interest.
[11.6]	Member of the Regional Selection Board for the creation of the selection lists and the selection of Education Coordinators and Heads of Educational and Counseling Support Centers and Sustainability Education Centers, of the Regional Directorate of Primary & Secondary Education of the South Aegean. 4/7/2018-30/7/2018.
[11.7]	Editing in collaboration with Professor Angeliki Dimitrakopoulou of the proposal of DPEED for the Institutional Proposal of the University of the Aegean (submitted in July 2019) as part of the Call for Proposals: "Supporting Regional Excellence", of the Operational Program "Competitiveness, Entrepreneurship and Innovation" (Ref. Code: 111, CSR NS: 3525, PN: 2560/411/A2, 16/04/2019) of the Economy and Development Ministry.
[11.8]	Vice Director of the University of the Aegean/DPEED masters' program: *"Didactics of Mathematics, Science and I.C.T.: an Interdisciplinary Approach"*. Since 1/9/2019.
[11.9]	Member of the coordination committee for the University of the Aegean/DPEED masters' program: *"Didactics of Mathematics, Science and I.C.T.: an Interdisciplinary Approach"*.
[11.10]	Member of the coordination committee for the University of the Aegean/DPEED masters' program: *"Models of Educational Planning and Development"*
[11.11]	Member of the coordination committee for the University of the Aegean/DPEED masters' program: "Children's Book and Educational Material"

[11.12]	Member of the students' selection committee for the University of the Aegean/DPEED masters' program: "Didactics of Mathematics, Science and I.C.T.: an Interdisciplinary Approach"
[11.13]	Member of the students' selection committee for the University of the Aegean/DPEED masters' program: "Models of Educational Planning and Development"
[11.14]	Member of the students' selection committee for the University of the Aegean/DPEED masters' program: "Children's Book and Educational Material"
[11.15]	Member of the information technology committee of the school of humanities dean
[11.16]	Deputy member in the Strategic Committee for Erasmus+ of the University of the Aegean
[11.17]	Member of the ECTS implementation committee of DPEED
[11.18]	Member of the doctoral studies committee of DPEED
[11.19]	Member of the DPEED assessment committee of DPEED according to ADIP
[11.20]	Member of the department head election committee for 2007 & 2010
[11.21]	Member of the university of the Aegean rector election committee for 2010
[11.22]	Member of the technical specifications' definition and the reception committees from the post graduate tuition 15% of DPEES for 2015.
[11.23]	Member of the committee for the reception of equipment for the school of humanities in the framework of the project «Supply of equipment for the academic units of the University of the Aegean at Rhodes and Syros» of the regional administration of South Aegean. Rectors' decisions no 91 & 92 /03.11.2014
[11.24]	Chair of the committee for the monitoring of the contracts for the leased buildings of the University Unit in Rhodes for 2013. Rector's decision: 8/14.01.2013
[11.25]	Chair of the 18th (Rhodes) committee for the selection of teachers for the Pilot schools (Edu.Ministry decision G1/95032/15.07.2013), 17-19/7/2013.
[11.26]	Member of the group for the definition of technical specifications of the supply of equipment of the DPEED, 2004.
[11.27]	Member of the Dodecanese commission for the project: «Information Society»/«Professional development of teachers for the exploitation of ICT in education» from 14 FEB 2002 to 22 SEP 2006. The commission coordinated the training of over 1200 teachers all over the Dodecanese.
[11.28]	Formal ICT Coordinator at 2nd School Laboratories Center of Rhodes for the school years 2002-2003, 2004-2005 και 2005 - 2006. Key responsibilities include the design, building and running ICT learning laboratories for vocational units, software supplies, network administrator