

Curriculum Vitae

KATERINA I. GEORGOULI

[Personal Details](#) [Studies](#) [Research](#) [Committees](#) [Teaching](#) [EU Projects](#)
[Publications](#)

Personal Details

Address:

Department of Informatics and Computer Engineering
University of West Attica
Agiou Spiridonos str., 12243 Egaleo, GREECE

Email: kgeor@uniwa.gr

Phone: (+30) 210-5385869

Fax: (+30) 210-5910975

Dr Georgouli has been professor at the Department of Informatics of the Technological and Educational Institute (T.E.I.) of Athens from 1988 to 2018 and from 2018 to 2021 she has been professor at the Department of Informatics and Computers Engineering of the University of West Attica where now is an emeritus professor. She is a scientific articles' reviewer, member of conferences' organizing and scientific committees and referee of journals and conferences' articles. She is the writer of two books in Programming Languages Translators and in Artificial Intelligence Introduction and she has published articles in scientific journals and in proceedings of international and national conferences. She has been contractor, local coordinator and external expert in Erasmus+ projects and scientific coordinator or team member of European and Greek funded research programs.

Studies

- PhD in Intelligent Educational Software, University of Athens, Greece, June 2000.
- MSc in Intelligent Systems and Cognitive Science, University of Plymouth UK, September 1992
- Bachelor of Mathematics, University of Athens, Greece, March 1977.

Areas of Research Interest

- Intelligent Tutoring Systems
- Intelligent and Adaptive Web Based Educational Systems
- Expert Systems
- Intelligent Agents
- Learning Technology
- Asynchronous E-Learning

Participation in Committees and Scientific Societies

- Member of the Research Laboratory of Educational Technology and e-Learning Systems (EDUTeL), 2015-today.
- Director of the Research Laboratory of Educational Technology and e-Learning Systems (EDUTeL), 2020-2021.
- Member Committee of the Research Program «Archimedes II»; 2004-2006.
- Scientific manager of the Research Program entitled "MEDiS: DESIGN OF A EUROPEAN DIPLOMA ANNEX INTEROPERABILITY MODEL"

which is conducted within the framework of the "ATHENS 2004" research program of T.E.I. of Athens, 2005-2006.

- Member of the scientific team of the Research Program "Methodology for the design of systems for personalized access to telematic services of educational Intranets using intelligent agents" carried out in the framework of the action "ARCHIMEDES: STRENGTHENING OF RESEARCH TEAMS AT TEI (EEOI)", 2004-2006.
- Program Committee Member, Workshop on Education in Computer Science- New Trends in Computer Science: A Challenge for Curriculum Innovations, University of NIS, ELFAK, Serbia, October 2004.
- President, co-president and active member of the Committee of Research and Education of Greek Computer Society, coordinator of the Greek Informatics Competition and leader of the Greek team at the International Olympiad of Informatics (1991 -2004).
- Program Committee Member, International Scientific Symposium GeoCAD'04, Alba Iulia, 2004.
- Program Committee Member, NITC New Innovative Technologies Conference (in parallel with 7th Annual DECUS 2004), Ohrid, 2004.
- Program and Organizing Committee Member, IEEE EDUCON 2017.
- Program Committee Member, International Conference on Interactive Mobile and Computer Aided Learning (IMCL), 2014-2017.
- Program Committee Member, International Conference on Computers in Education (ICCE), 2017.
- Program and Organizing Committee Member, Panellenic Conference in Informatics (PCI), 2015-2021.
- Sub-conference co-Chair, International Conference on Computers in Education (ICCE) 2018.
- Chair/member of the professional evaluation committee for the educational software "Symmachia", in the framework of the research program E22-Nafsika, 1999-2000.
- Member of the scientific team of the research program «Quali – Learn: Distance Learning in Quality Assurance in software development, 1999.
- Member of the scientific team of the research program "Computerization of the National Center for Immediate Assistance and its connection with Hospitals", 1989-1991.
- Member of the Member of the Greek Computer Society (EPY).
Member of the Greek Scientific Association of Information and Communications Technologies (ETPE)
- Member of the Greek Society of Artificial Intelligence (EETN), Artificial Intelligence in Education Society (AI-ED).

Undergraduate and graduate teaching

- Artificial Intelligence (undergraduate degree)
- Compilers (undergraduate degree)
- Computational Artificial Intelligence (Master degree)
- Design and Development of Digital Learning Environments (Master degree)

Participation in European Projects

- Coordinator of TEI-A and then PADA for the ERASMUS+ program entitled "Development of the interdisciplinary master program on Computational Linguistics at Central Asian universities (CLASS)", 2017-2021.
- Coordinator of the Erasmus+ mobility program for the School of Technological Applications (STEF) and the Department of Informatics Engineering T.E. of the TEI of Athens from 2015 to 2018.
- Participation as a member of the ERASMUS+ program entitled "Composing Lifelong Learning Opportunity Pathways through Standards-based Services (COMPASS)", 2015-2018.
- Participation as a member in the TEMPUS program "IQA Seminar: Quality Assurance on Degree Programs" SEHUD, in which TEIA is a partner, 2012-2015.
- Participation as a member in the TEMPUS program "Architecture and Sustainable Urban Development Based on Eco-Humanistic Principles & Advanced Technologies without Losing Identity" SEHUD, in which TEIA is a partner, 2012-2015.
- Participation as a scientific partner in "ACT: Agricultural Alliance for Competence and Skills based Training" co-financed by the European program LLP Development of Innovation and TEI of Athens, Project No. 540426-LLP-1-2013-1-DE-LEONARDO-LMP, 2014-2015.
- External expert of the TEMPUS 158881-Tempus-RS-Tempus-JPHES program of the European Union, entitled "National Platform for Knowledge Triangle in Serbia", coordinated by the University of Nis, Serbia, 2009-2012.
- Coordinator of TEI-A for the ERASMUS MUNDUS program of the European Union IB_JEP-41148-2006, entitled "FORT: Forging ties and building bridges between Mediterranean higher education institutions", coordinated by the University of Alicante, Spain, in which TEI-A is a partner, 2008-2011.
- Responsible for the TEMPUS program of the European Union IB_JEP-41148-2006, entitled "Continuous Education for Informatics Teachers", coordinated by the University of Nis, Serbia, sponsored by TEI-A, 2007-2009.
- Responsible for the TEMPUS SM_SCM-C009B05-2005 program of the European Union, entitled "Sustainable Multicultural Interoperable Environment - Smile", coordinated by the University of Sts. Cyril and Methodius, Skopje, FYROM, sponsored by TEI-A, 2006.
- Coordinator of TEI-A for the Tempus SM_SCM-C015A05-2005 program of the European Union, entitled "Pilot Implementation of ECTS-PIECTS", coordinated by the University of Nis, Serbia, in which TEI-A is a partner, 2005.
- TEI-A coordinator for the TEMPUS PP_SCM-C009B03-2003 program of the European Union, entitled "Implementing Modules and ECTS for Computer Studies", coordinated by the University of Sts. Cyril and Methodius, Skopje, FYROM, in which TEI-A is a partner, 2004.
- TEI-A coordinator for the Tempus CD_JEP-16160-2001 program of the European Union, entitled "Innovation of Computer Science Curriculum in Higher Education", in which the Foundation is a partner, 2003-2005.

Referee

- Journal of Educational Technology & Society

- Scientific Journal “Facta Universitatis”
- IEEE EDUCON
- International Conference on Interactive Mobile and Computer Aided Learning (IMCL)
- International Conference on Computers in Education (ICCE)
- International Conference “Cognition and Explanatory Learning in Digital Age” (CELDA),
- Panellenic Conference in Informatics (PCI)
- Transactions on Learning Technologies (TLT)
- International Journal of Innovation and Regional Development (IJIRD)

Publications

[Books](#) [Journals](#) [Conferences](#) [Workshops](#)

Books

- Georgouli, A. Artificial Intelligence, 2015, E-Book: Available at: <http://hdl.handle.net/11419/33812015>.
- Georgouli Aik., Xanthakis Sp. Programming Languages Processing, New Technologies Publ., 1992.

Journals

- Georgouli K., Skalkidis I. and Guerreiro, P. A framework for introducing e-learning in a traditional course. In: International Journal of Educational Technology & Society, ISSN 1436-4522, vol 11 (2), May 2008, 227-240.
- Guerreiro, P. and Georgouli, K., Enhancing Elementary Programming Courses Using E-learning with a Competitive Attitude. In: International Journal of Internet Education (IJIE), volume 10, ISSN 1687-5796, January 2008, pp 38.
- Georgouli, K., Kiliyas, C., Kantzavelou, I. and Zahariou, P. Enhancing Traditional Teaching through e-Learning Activities at the Department of Informatics at the TEI of Athens. In: e-Journal of Science & Technology, e-JST, ISSN 17905613, vol 3, 2006, http://e-jst.teiath.gr/eng/trito_teuxos_eng.htm. (in greek)
- Georgouli, K. and Guerreiro, P. Enriching Specifications for Re-Usable Adaptive Learning Design. In Proceedings of ICCE_2005 International Conference Computer in Education, Towards Sustainable and Scalable Educational innovations Informed by the Learning Sciences, ISSN 0922-6389, IOS Press, Singapore, November 2005, 674-677.
- Georgouli, K., Grivas, M. and Zahariou, P. Different Uses of an Open Source LMS for Educational Support. In: FACTA UNIVERSITATIS (NI jS),SER.: ELEC. ENERG”, ISSN 0353-3670, vol. 18, No. 2, August 2005, pp. 285-298.
- Georgouli, K. The Design of a ‘Motivating’ Intelligent Assessment System. In S.A.Cerri, G.Gouarderes & F. Paraguacu (Eds), Intelligent Tutoring Systems, 6th International Conference, ITS 2002, LNCS 2363, ISSN 0302-9743, Springer, 2002, pp. 811-820.

- Georgouli, K., Samarakou, M. and Grigoriadou, M. Model for Educational Knowledge Representation in an Adaptive Educational Software. In: Themes in Education, LEADER BOOKS S.A. 3:1, 2002, pp. 53-77. (in greek)
- Georgouli, K., Gregoriadou, M. and Samarakou, M. Individualising the Assessment for Low-Attaining Pupils in Word Problem Solving. In S.P. Lajoie (Ed), Artificial Intelligence in Education: Open Learning Environments: New Computational Technologies to Support Learning, Exploration and Collaboration, ISSN 0922-6389, IOS Press, Le Mans, France, 1999, pp. 682-685.

International Conferences

- N. Abdurakhmonova, M. Aripov, A. Duarte, K. Georgouli, C. Gómez-Rodríguez, Y. Kandalina, B. Maia, A. Sharipbay, U. Tukeyev, G. Urazboev, Z. Vetulani, O. Yusupov, Erasmus+ Project Experiences on the Computational Linguistics Master Degree in the Central Asia Universities. Presented at the 14th International Technology, Education and Development Conference (INTED), p.p. 4803-4812, Valencia, Spain, 2-4 March 2020.
- Filippakis, G., Georgouli, K. and Sgouropoulou, C. Using an Expert System to Optimize the Distribution of Assignments for Peer Evaluation". Presented at the 5th IIAI International Congress on Advanced Applied Informatics (IIAI-AAI) , pp. 302-307, Kumamoto, Japan, 2016.
- Filippakis, G., Georgouli, K. and Sgouropoulou, C. The Design of a Web-based System to Support the Distribution of Assignments for Distance Peer Evaluation. In Proceedings of the 19th Panhellenic Conference on Informatics (PCI 2015), ACM, New York, NY, USA, pp. 400-408, Athens, Greece, 1-3 October 2015.
- Georgouli K., Fillipakis, G. and Sgouropoulou, C. Online Peer evaluation supported by an expert system. Presented at the 17th International Conference on Interactive Collaborative Learning (ICL 2014), Dubai, 3– 6 December, 2014.
- Sgouropoulou, C. and Georgouli, K. Strengthening Training to Employment Pathways through competence-based IT services. Presented at the 18th Panhellenic Conference of Informatics (PCI 2014) with International Participation 2014, Athens, 6 – 8 October, 2014, ACM.
- Georgouli, K., Sgouropoulou C., Collaborative Peer-Evaluation Learning Results in Higher Education Programming-based Courses. Presented at the International Conference ICBL 2013, Florionapolis, 3-5 November 2013.
- Georgouli, K., Challenges for European Higher Education in the Framework of Knowledge Transfer. International Conference on Technology Transfer ICTT 2013, , pp.53-58, Nis, Serbia, June 2013.
- Georgouli, K., Sgouropoulou C., Skalkidis, I. and Tsetsekas, H., Introducing a Collaborative Peer-Evaluation Learning Model in Higher Education Programming-based Courses, Panhellenic Conference on Informatics'2012, pp.399-404, Piraeus, Greece, 2012.
- Georgouli, K., Virtual Learning Environments - An Overview. Panhellenic Conference on Informatics'2011, pp.63~67, Kastoria, Greece, 2011.

- Georgouli, K. Trends in Web-Based Education towards Adaptivity. In CD Proceedings of the International Conference ICBL 2011, Antigua, Guatemala 2-4 November, 2011.
- Georgouli, K. and Guerreiro, P. Incorporating an Automatic Judge into Blended Learning Programming Activities. In X. Luo et al. (Eds.): ICWL 2010, LNCS 6483, pp. 81-90. Springer, Heidelberg, 2010.
- Georgouli, K., Guerreiro, P. and Kapetanakou, S. Integrating an Automatic Judge into an Open Source LMS. In T. Bastiaens et al. (Eds.), Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2009, pp. 3492-3499, Chesapeake, VA: AACE, September 2009.
- Georgouli, K. and Pigaki, M. Intelligent Decision making for Coastal AREAS SPATIAL evolution. Presented at the International Congress Anthropogenic impacts on the Marine Environment, Algiers, October 27-29, 2008.
- Guerreiro, P. and Georgouli, K. Teaching Programming with a Competitive Attitude to Foster Group Spirit. In the Proceedings of Web Information Systems and Technologies (WEBIST) 2008 International conference, pp. 414-421, Madeira, Portugal, May 2008.
- Georgouli, K. and Skalkidis, I., Introducing blended learning in a traditional course. In the Proceedings of the 4th International Conference in Open and Distance Learning, pp. 203-209, Athens, November 2007.
- Guerreiro, P. and Georgouli, K. Early Software Engineering for Introductory Programming via Computer Graphics. In the CD Proceedings of the 18th EAEEIE Annual Conference, Proceedings, Prague, July 2007.
- Sgouropoulou, C. and Georgouli K. Enhancing European Learner Mobility through Learning Technology Specification Profiling. Presented at the 13th EUNIS Annual Congress, Grenoble, June 2007.
- Georgouli, K., Kantzavelou, I., Guerreiro, P. and Koilias, C. Enhancing Student Learning Using Asynchronous e-Learning Platforms. In the Proceedings of the IADIS International Conference on Cognition and Explanatory Learning in Digital Age (CELDA 2006), pp. 73-80, Barcelona, December 2006.
- Guerreiro, P. and Georgouli, K. Combating Anonymously in Populous CS1 and CS2 Courses. In the Proceedings of the Eleventh Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2006), pp. 8-12, Bologna, June 2006.
- Georgouli, K. and Guerreiro, P. Enriching Learning Standards to Support Authoring of Re-Usable Self-Assessment Activities. In the Proceedings of the IASTED International Conference on Web-based Education (WBE 2006), ISSN 1482-7905, pp. 100-105, Puerto Vallarta, Mexico, January, 2006.
- Georgouli, K., Kantzavelou, I., Skalkidis, I. and Zahariou, P. Integrating an Open Source LMS into the traditional Educational Process. In the Proceedings of the 2005 WSEAS, pp. 300-308, Vouliagmeni, Greece, July 2005.
- Georgouli, K. WASA: An Intelligent Agent for Web-Based Self-Assessment. In Kinhuk, D. Sampson & P. Isaias (Eds), Cognition and Exploratory Learning in Digital Age (CELDA 2004), ISBN: 972-98947-7-9, Assoc. Editors, L. Rodrigues and P. Barbosa, pp. 43-50, Lisbon, December 2004.
- Georgouli, K. Adapting assessment goals to the student's profile. In the Proceedings of the International Conference on Theory and Applications of

- Mathematics and Informatics ICTAMI 2003, Acta Universitatis Apulensis, ISSN 1582-5329, pp. 253-262, Alba Iulia, Romania, October 2003.
- Georgouli, E., Bakoyannis, S. & Giannakoulis, P. Reaching IT in Secondary Education through Problem-Based Learning could be really beneficial. Presented as poster in Proceedings of the 8th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2003), pp. 243, Thessaloniki, June 2003.
 - Georgouli, K. and Paraskakis, I. Authoring an Adaptive Web-based Tutor. In the Proceedings of the Eleventh International PEG Conference 2003, St. Petersburg, June 2003.
 - Georgouli, K., Paraskakis, I. and Guerreiro, P. A Web-based Tutoring System for Compilers. In CD Proceedings of the 14th EAEEIE Annual Conference on Innovation in Education for Electrical and Information Engineering, ISBN 83-918622-0-8, Poland, June 2003.
 - Guerreiro, P. and Georgouli, K. Using Eiffel for Introductory Programming in Engineering Courses. In CD Proceedings of the 14th EAEEIE Annual Conference on Innovation in Education for Electrical and Information Engineering, ISBN 83-918622-0-8, Poland, June 2003.
 - Georgouli, K. Modelling a Versatile Mathematical Curriculum for Low-attainers. In Y. Manolopoulos, S. Evripidou (Eds), 8th Panhellenic Conference in Informatics, Proceedings Volume 1, pp. 463-472, Nicosia/Cyprus, November 2001.
 - Georgouli, K., Samarakou, M. and Gregoriadou, M. Assessing Low-Attaining Pupils in Arithmetic Word Problem Solving. Presented as poster at the 10th World Conference on Educational Multimedia and Hypermedia & World Conference on Educational Telecommunications, AACE, Freiburg, Germany, 1998.
 - Georgouli, K., Grigoriadou, M. and Samarakou, M. An Adaptive, Intelligent System Assessing Low-Attainers in Mathematics. Accepted for presentation in ICTE Santa Fe 1998, International Conference on Technology and Education, Santa Fe, Mexico, 1998.
 - Georgouli, K., Grigoriadou, M. and Samarakou, M. Assessment of Low-Attainers in Mathematics. Presented as poster at the 7th European Conference for Research on Learning and Instruction, EARLI, Athens, 1997.

Workshops

- Georgouli, K. Higher Education Studies in Greece. In the framework of FORT Project- Forging Ties and Building Bridges between Mediterranean Higher Education Institutions, Fez, Morocco, June 2011.
- Georgouli, K. E-Learning in Knowledge Society. In the framework of “144746-Tempus-2008-RU-JPCR” Improvement of education on environmental management. Minsk, Belarus, March 2011.
- Georgouli, K. ECTS and Supplement Diploma in Greek Higher Education. In the framework of FORT Project- Forging Ties and Building Bridges between Mediterranean Higher Education Institutions, Izmir, Turkey, May 2011.
- Georgouli, K. Action Plan for strengthening Research, Technological Development and Innovation in Greece, invited speaker at the ICT Forum 2010, Nis, Serbia, 2 – 4 November 2010.

- Georgouli, K. Designing University Evaluation Systems within the EHEA: The TEI of Athens case, Seminar on Quality Assurance Practices around the Mediterranean in the framework of FORT Project- Forging Ties and Building Bridges between Mediterranean Higher Education Institutions, Amman, Jordan, April 2010.
- Georgouli K. Evolution of cs-eClass platform into an effective supportive e-learning tool. Presented at the workshop Upgrading Studies at the Department of Informatics of TEI of Athens, organized by the Department of Informatics, TEI of Athens, June 2008.
- Georgouli, K. TEI of Athens in the framework of the Bologna Process, Presented at the Seminar on ECTS Implementation, Tempus SM_SCM-C015A05-2005, Nis, Serbia, March, 2006.
- Georgouli, K., Halaris, I., and Sgouropoulou, K. Standardization efforts for building a knowledge Europe: the MEDiS project. Presented at the Workshop on “Implementing Modules and ECTS for Computer Studies”, Tempus PP_SCM_C009B03-2003, June 2005.
- Georgouli, K, Zahariou, P., and Papairaklis, V. Add-Ins to enhance E-Class Functionality. Presented at the 2nd Tempus Symposium on Innovation of Computer Science Curriculum in Higher Education and Intensive Retraining of Teaching Staff, Athens, March 2005.
- Georgouli, K. The Benefits of the Use of CS E-CLASS at TEI-A. Presented at the Workshop organized by the Faculty of
- Georgouli, K., and Founta, I. ECTS and DS in the Department of Informatics of TEI of Athens. Presented at the 3rd SEEITA and 2nd MASIT Open Days, Skopje, Tempus Block, February 2005.
- Georgouli, K., Grivas, M., and Zachariou, P. Different Uses of an Open Source LMS for Educational Support. Presented at the Workshop on New Trends in Computer Science: Challenge for Curriculum Innovations, organized by the Faculty of Electronic Engineering University of Nis, Serbia and Montenegro in the frame of Tempus CD JEP 16160-2001, Nis, October 2004.
- Georgouli, K. Towards Adaptive Web-Based Learning Systems. In Proceedings of Workshops on Computer Science Education TEMPUS Project CD-JEP 16160/2001 "Innovation of Computer Science Curriculum in Higher Education", January 2004, pp 39.
- Georgouli K. Open source platforms for asynchronous remote Education in higher education: prospects for use of e-Class in the Department of Informatics of TEI of Athens. Presentation in Workshop: Improve Educational Process by Using New Technologies, organized by the Department of Informatics of TEI of Athens, March 2004.
- Georgouli, K., Krika, G. and Georgantopoulou, M. An Authoring Agent for Supporting Web-based Tutoring. In Proceedings of the Fourth International Conference on Informatics and Information Technology, Bitola, 11-14 December 2003.
- Georgouli, K. Towards Adaptive Hypermedia Educational Systems. Invited speaker at the Workshop "Tools for CS Education", organized by the University of Skopje “Sts. Cyril and Methodius” in the frame of Tempus CD JEP 16160-2001, Bitola, December 2003.
- Georgouli, K. An Adaptive Hypermedia System for Compilers. Invited speaker at the Workshop "Innovation of Computer Science Curriculum in Higher Education Innovations in Teaching of Computer Science Courses",

organized by the Faculty of Electronic Engineering University of Nis, Serbia and Montenegro in the frame of Tempus CD JEP 16160-2001, Nis Yugoslavia, October 2003.

- Georgouli, K. Higher Education in Informatics at Technological Educational Institute of Athens, invited speaker at the Workshop in Computer Science Education at the XXXVII International Scientific Conference on Information, Communication and Energy Systems and Technologies – ICEST 2002, Nis Yugoslavia, October 2002.