

Anna Mavroudi

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1 Personal Details

Contact details: anna.mavroudi@idi.ntnu.no

Nationality: Greek

2 Academic Studies

- PhD in Educational Technology (PhD thesis title: “Teachers as Designers of Adaptive Learning”, School of Pure and Applied Sciences, Open University of Cyprus, Cyprus, 2015)
- MSc in Information Systems (master thesis title: “Development of an eLearning system”, Faculty of Science and Technology, Hellenic Open University, Greece, 2007)
- BSc (Hons) in Mathematics (Applied Mathematics specialisation, Department of Mathematics, Aristotle University, Greece, 2003)

3 Professional experience in research and development projects

Norwegian University of Science and Technology

01/10/2015 – present

ERCIM Postdoctoral researcher

Duties: research on the topic titled ‘Adaptive learning analytics’ at the Department of Computer and Information Science

University of Cyprus

01/10/2015 – present

Research associate in the European project ‘Teachers’ Assessment Literacy Enhancement’ (TALE)

Duties: consultancy services, participation in dissemination activities

Open University of Cyprus

- 01/09/2015 – present

Research associate in the European project ‘Empowering the School IT infrastructures for the implementation of Sustainable Instructional Patterns’ (eSIT4SIP)

Duties: consultancy services, participation in dissemination activities

- 04/2012 → 30/08/2015

Research associate in the European project ‘Open Discovery Space’ (ODS, <http://portal.opendiscoveryspace.eu/> & <http://opendiscoveryspace.eu/>)

Duties: Educational design, scenarios design and development, fostering (online) communities of teachers. Also, support of administrative/managerial and dissemination tasks.

- 05/2011 → 01/2014

Research associate in the project ‘OpenSOA: context-aware system for mobile learning’

Duties: Research on adaptation and personalisation methods in eLearning and instructional design (co-design, development, implementation, evaluation of adaptive e-learning courses). Also, support of administrative/managerial and dissemination tasks.

- 02/2011 - 03/2011

Research associate in the European project ‘ICTeSD-ICT-enabled Education for Sustainable Development’

Duties: Educational design in e-learning, in particular, consultancy on:

- 1) Learning needs analysis methodology, 2) Learning effectiveness assessment, 3) Adoption of eLearning standards

- 01/2009 → 12/2010

Research associate in the European project ‘Revitalizing small remote schools for lifelong distance e- learning’ (REVIT, <http://revit.cti.gr/>)

Duties: Research and Instructional design for e-learning, distance learning and adult learning. Also, support of administrative/managerial and dissemination tasks.

- 03/2009 - 12/2010

Research associate in the European project ‘ InetRisks - Changing Attitudes of Adults (parents) on Internet-Related Risks for Young Adolescents’

Duties: Research and instructional design related to attitudes’ change. Co-design and development of online collaborative activities related to internet safety and Virtual Worlds. Also, support of administrative/managerial and dissemination tasks.

Research-Academic Computer Technology Institute and Press “Diophantus” (Greece)

- 09/2008 - 11/2008

Knowledge engineer in the European research project ‘ATRACO - Adaptive and Trusted Ambient Ecologies (<http://www.uni-ulm.de/in/atrac>)

Duties: Implementation of an ontology, comparative study of UML editors, customisation of the functionality of an open-source ontology editor

- 11/2009-01/2011

Participant in the European Learning partnership 'Stella 2.0-Stimulation of eLearning for Life Long Learning for adults' (<http://stella.mixxt.eu/>)

Duties: Improvement of the learning process of adults by introducing web based and mobile learning methods in their learning path, development of podcasts and wikis.

Hellenic Open University

- 11/2007 - 11/2008

Research technician (research and technical work related to institutional repositories)

Duties: Analysis, development, implementation, and technical support of an online institutional repository service for the students and the faculty of the university (“Dspace@ HOU”)

4 Publications

4.1 Journals

1. Mavroudi A., Giannakos M., & Krogstie J. (2016). Supporting adaptive learning pathways through the use of learning analytics: Developments, Challenges and Future Opportunities. *Interactive Learning Environments* (accepted)
2. Mavroudi, A., Hadzilacos, T., Kalles, D., & Gregoriades, A. (2015). Teacher-led design of an adaptive learning environment. *Interactive Learning Environments*, 1-15.
3. Mavroudi A., Hadzilacos Th. (2013). Learning Needs Analysis of Collaborative E-classes in Semi-formal Settings: the REVIT Example. In: *The International Review of Research in Open and Distributed Learning –IRRODL*, Vol. 14, No. 5 (<http://www.irrodl.org/index.php/irrodl/article/view/1544/2755>)
4. Mavroudi A., Hadzilacos Th. (2013). Group-work in the design of complex adaptive learning strategies. In: *Journal of Interactive Media in Education- JIME*. Available at: <http://www-jime.open.ac.uk/jime/article/view/2013-11>
5. Mavroudi A., Hadzilacos Th. (2012). Implementation of adaptive learning designs. In: *Annals of the University of Craiova Series: Automation, Computers, Electronics and Mechatronics*, Volume 9(36) no. 2. Available online at: http://www.ace.ucv.ro/analele/2012_vol2/04_Mavroudi_Anna.pdf

4.2 Book chapter

6. Angeli, C., Valanides, N., Mavroudi, A., Christodoulou, A., & Georgiou, K. (2015). Introducing e-TPCK: An Adaptive E-Learning Technology for the Development of Teachers' Technological Pedagogical Content Knowledge. In *Technological Pedagogical Content Knowledge* (pp. 305-317). Springer US

4.3 Peer reviewed conferences (blind review)

7. Hadzilacos Th, Mavroudi A., Georgiou K., Otero N., Mueller W. (2016). On the creation of sustainable design patterns of ICT integration in the classroom. In *Proceedings of the 10th Mediterranean Conference on Information Systems (MCIS2016)*, September 4-6, Paphos, Cyprus (accepted)
8. Mavroudi A., Hadzilacos Th., Angeli Ch. (2016). An Adaptive E-learning Strategy to Overcome the Inherent Difficulties of the Learning Content. In *Proceedings of the 11th European Conference on Technology Enhanced Learning (EC-TEL)*, September 13-16, Lyon, France (accepted).
9. Mavroudi A., Giannakos M., Krogstie J. (2016). Combining adaptive learning with learning analytics: precedents and directions. In *Proceedings of the 11th European Conference on Technology Enhanced Learning (EC-TEL)*, September 13-16, Lyon, France (accepted).
10. Trætteberg H., Mavroudi A., Giannakos M., Krogstie J. (2016). Adaptable learning and learning analytics: a case study in a programming course. In *Proceedings of the 11th European Conference on Technology Enhanced Learning (EC-TEL)*, September 13-16, Lyon, France (accepted).
11. Mavroudi A., Giannakos M., Krogstie J. (2016). Insights on the interplay between adaptive learning and learning analytics. In *Proceedings of the 16th IEEE International Conference on Advanced Learning Technologies - ICALT2016*, July 25-28, Austin, Texas, USA (accepted).
12. Mavroudi A., Miltiadous M., Libbrecht P., Muller W., Hadzilacos Th., Otero N., Barth K., Georgiou K. (2016). Let me do it: towards the implementation of sustainable instructional patterns. In *Proceedings of the 16th IEEE International Conference on Advanced Learning Technologies - ICALT2016*, July 25-28, Austin, Texas, USA (accepted).
13. Mavroudi A., Tsagari D. (2016). Language Assessment Literacy Enhancement: any room for Technology-Enhanced Language Learning? In *Proceedings of the 16th IEEE International Conference on Advanced Learning Technologies - ICALT2016*, July 25-28, Austin, Texas, USA (accepted).
14. Mavroudi A., Hadzilacos Th. (2015). Historical Overview of Adaptive Elearning Approaches Focusing on the Underlying Pedagogy. In the *2nd International Conference on Smart Learning Environments*, September 23-25, 2015, Sinaia, Romania

15. Angeli, C., Mavroudi, A., & Christodoulou, A. (2015). e-TPCK: An Adaptive E-Learning Technology for the Development of Teachers' Technological Pedagogical Content Knowledge. In Society for Information Technology & Teacher Education International Conference (Vol. 2015, No. 1, pp. 3059-3064).
16. Mavroudi A., Hadzilacos Th, Panteli P., Aristodemou A. (2014). Integration of theory, ICT tooling and practical wisdom of teacher: a case of adaptive learning. *Advances in Web-Based Learning – ICWL 2014 Lecture Notes in Computer Science Volume 8613*, 2014, pp 152-158.
17. Angeli Ch., Mavroudi A., Georgiou K., Valanides N., (2014). e-TPCK: An Adaptive Learning Environment for the Development of Teachers' Technological Pedagogical Content Knowledge. Paper presented at the 2014 AERA Annual Meeting.
18. Mavroudi A., Hadzilacos Th. (2013) Learning Design for adaptive and contextual learning, in *Proceedings of the 2nd Interaction Design & Human-Computer Interaction workshop*, 4-5 June, Nicosia, Cyprus.
19. Mavroudi A., Angeli C., Georgiou K. (2013). An E – Learning Adaptive System for Teaching Teachers How to Teach with Technology: A Perspective from Technological Pedagogical Content Knowledge. In *Proceedings of the 2nd International Workshop on Teaching Analytics*, 8 April, Leuven, Belgium.
20. Mavroudi A., Hadzilacos Th. (2012). Broadening the Use of E-Learning Standards for Adaptive Learning, *Advances in Web-Based Learning - ICWL 2012, Lecture Notes in Computer Science Volume 7558*, pp 215-221, Springer.
21. Xenos M. Mavroudi A., Karaiskakis D., Birbilis G., Glezos D., Zafeiropoulos D., (2012). The development of an institutional repository service for a large distance education university. In: *Proceedings of the EADTU 25th Anniversary Conference 2012, The role of open and flexible education in European higher education systems for 2020: new models, new markets, new media*, Pafos, Cyprus, 27-28 September 2012, pp. 327-337.
22. Mavroudi A. (2012). How would you design for mobile learning?, In: *Proceedings of International Conference Interactive and Competence-Orientated Education*, 3-4 May 2012, Brussels, Belgium (pp. 237-243).
23. Mavroudi A., Hadzilacos Th. (2012). On certain design principles for educational activities and learning objects in Virtual Worlds. In: *Proceedings of the 62nd Annual Conference International Council of Education Media in conjunction with the 5th Innovative Learning Environments 2012(ICEM-ILE) Conference*, 26-29 September 2012, Nicosia, Cyprus.
24. Mavroudi A., Fountana M., Hadzilacos Th. (2010). Research Methods and Virtual Worlds: a case study in attitudes towards risks. In IADIS (Eds.), In: *Proceedings of the IADIS International Conference on E-learning 2010*, Freiburg, Germany, 26-29 July 2010 (pp. 323-326).

25. Mavroudi, A., Hadzilacos, T., & Kalles, D. (2010). Learning Design for mobile and contextual learning. In Proceedings of 9th World Conference on Mobile and Contextual Learning (MLEARN2010) (pp. 362-365).
26. Mavroudi A., Hadzilacos Th, (2010). Towards the unification of four different learning modes, In: IADIS International Conference Mobile Learning 2010, Porto, Portugal, 19 - 21 March 2010 (pp. 383-386).
27. Mavroudi A., Hadzilacos Th., Egarchou, D. (2010). A distributed e-learning service for remote areas. In: MCIS 2010 Proceedings. Paper 60. Available at: <http://aisel.aisnet.org/mcis2010/60>

5 Teaching Experience

Department of Education, University of Cyprus

- 01/2015 – 04/2015

Teaching assistant

Teaching a postgraduate course: EDU643 ICT-infused curriculum development

- 09/2012- 06/2013

Teaching assistant

Teaching undergraduate courses: EDU138 Educational technology, EDU139 Computers in the preschool education

- 09/2013-12/2013

Teaching assistant

Teaching an undergraduate course: EDU139 Computers in the preschool education

University of Nicosia

11/2014-12/2014

Training faculty members (organization and delivery of the seminar)

Seminar title: “Why is flipped classroom the next best thing?”

(duration: 10 hours, language: English)

Department of Information and Communication Systems, Open University of Cyprus

12/2012 & 11/2013-12/2013

Teaching assistant

Supporting one of the main students’ assignments in the course PES 630 Learning Design & Design of Educational Software

TC Square Ltd training center (<http://www.tcsquare.com.cy/>)

Nikis avenue 20, Nicosia (Cyprus)

Adult trainer, 125 didactic periods (in total)

Duties related to instructional design (course planning, development of learning materials and activities, implementation & course evaluation) & vocational training (e-Learning seminars to professionals)

Hellenic College Ltd (Greece)

11/2007 – 01/2009

Instructional design and mathematics teaching

Analysis (learner profile analysis, needs analysis), design (review existing material, create syllabus, and expected outcomes), development (create lesson plans and tests/assessments), implementation (teaching, exams), evaluation (formative and summative evaluations) of an educational program (foundation course for higher education studies) in mathematics

Ministry of Education (Greece)

10/2003 - 06/2007

Teaching staff in high schools (part time)

Teaching mathematics to high school pupils

Tuition Centre '2002' Ltd (Greece)

09/2005 - 06/2007

Teaching in a private tuition centre

Teaching mathematics to high school pupils

Self-employed mathematician (Greece)

2003 - 2010

Teaching mathematics

Teaching mathematics to university students, high school pupils and elementary school pupils

6 Additional Information

6.1 Honors-fellowships

The postdoctoral research fellowship is funded by the European Research Consortium for Informatics and Mathematics (ERCIM).

6.2 Service

- Co- supervisor of master theses in the department of Information and Communication Systems/ Educational Technology sector at the Open University of Cyprus (title: “An online environment of synchronous collaborative learning”, academic year: 2011- 2012; title: “Implementation of e-learning services”, academic year: 2012-2013; title: “Educational Recommender systems”, academic year: 2013-2014; title “User Experience enhancement of an adaptive learning system”, academic year: 2014 -2015)
- Elearning track co-chair in the 10th Mediterranean Conference on Information Systems (MCIS2016), http://www.mcis2016.eu/files/E_Learning.pdf
- Program Committee member of the 9th International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2016)
- Program committee member of the 1st International Workshop on the Leadership of Women in Computing Science (<http://www.ice-conference.org/Home/Workshops.aspx>)
- Session chair at the 11th European Conference on Technology Enhanced Learning (EC-TEL 2016).

- Program Committee member of the 8th International Conference on Interactive Mobile Communication Technologies and Learning (IMCL2014) – special session Special Session: Combining Mobile Learning & Cloud Computing in Education (MLCCE)
- Program Committee member of the 2nd International Workshop on Teaching Analytics
- Research advisor in the MEPA «Μαθητές στην έρευνα» (Pupils in research) contest organized by the Research Promotion Foundation of Cyprus in 2012 (3rd prize awarded; Title: “The WWW serves information, do we buy?”) and in 2015 (4th prize awarded, Title: “Students’ attitudes on the use of mobile devices”)
- Ad hoc reviewer in the “IRRODL - The International Review of Research in Open and Distributed Learning” journal
- Ad hoc reviewer in the “Interactive Learning Environments” journal
- Reviewer in the “Combining Mobile Learning & Cloud Computing in Education (MLCCE)” special session of the IMCL2014
- Reviewer in the 9th International Conference on Interactive Mobile Communication Technologies and Learning (IMCL2015)
- Reviewer in the 10th International Conference on Interactive Mobile Communication Technologies and Learning (IMCL2016)
- Reviewer in the International Conference on Entertainment Computing (ICEC 2015) - Workshop of Making as a Pathway to Foster Joyful Engagement and Creativity in Learning (Make2Learn)
- Reviewer in the 3rd International Workshop on Teaching Analytics (IWTA-2013b)
- Reviewer in the 6th Mediterranean Conference on Information Systems (MCIS2011)

6.3 Certificates

- Certificate of Proficiency in English, University of Cambridge (issue date: 18/02/2003)
- Certificate in Adult Training and Professional Development, Cyprus Human Resources Development Authority, <http://www.hrdauth.org.cy/> (issue date: 18/12/2014)

6.4 Memberships

Member of:

- the European Association for Technology-Enhanced Learning (EA-TEL)
- Association for Information Systems (AIS)
- IEEE
- the weLead leadership program (<https://www.ntnu.edu/welead>)

6.5 Other

Experience in authoring funding proposals and securing funding from external funding sources.