

PERSONAL INFORMATION

Antonios Natsis

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Sex Male | Date of birth 06/03/1979 | Nationality Greek



WORK EXPERIENCE

September 2020 – till now

Laboratory teaching staff – Department of Early Years Learning and Care, School of Social Sciences, University of Ioannina, Greece

September 2019 – September 2020

Informatics teacher

Greek secondary schools (vocational education)

- Instructing computer science to students of secondary schools
- Teaching basic concepts of computer science, such as algorithms, programming languages and computer systems design

Business or sector Ministry of Education and Religious Affairs, Greece

February 2019 – July 2019

Teacher trainer (68 hours)

June 2016 – May 2019

Postdoctoral Research Associate

Project entitled “Innovative and Emerging Technologies in Education”

- Exploring the ways in which the learning affordances offered by innovative and emerging technologies can be integrated into an educational context
- Focusing on different types of interfaces (e.g., graphic, haptic, touch, tangible) and on how they can be combined to promote enhanced learning experiences
- Designing and developing software and hardware prototypes
- Designing and conducting research studies in different educational settings

Business or sector Centre for Teaching Development and Digital Media, Aarhus University, Denmark

September 2005- May 2016

Informatics teacher

Greek primary and secondary schools (general and vocational education)

- Instructing computer science to students of primary and secondary schools
- Teaching basic concepts of computer science, such as algorithms, programming languages and computer systems design

November 2015 – February 2016

Adjunct Lecturer of the course “Digital Learning Objects”

Postgraduate Studies Program (Master) in Learning Technologies

- Instructional design, course planning and teaching of the course “Digital Learning Objects”
- Teaching concepts that relate to the design, development, evaluation and didactic exploitation of learning objects (i.e. Open Educational Resources)
- Instructing students to design, create and evaluate educational scenarios based on learning objects
- Encouraging students to suggest/edit educational research designs regarding the design, use and evaluation of learning objects

Business or sector School of Early Childhood Education (Aristotle University of Thessaloniki), School of Electrical and Computer Engineering (Aristotle University of Thessaloniki), Department of Primary Education (University of Ioannina)

October 2012 – April 2014

Scientific staff member of the project “Design and development of digital learning tools for earthquake and natural disasters prevention– DEUCALION ”

The Educational Approaches to Virtual Reality Technologies laboratory (EARTH lab) at the Department of Primary Education, University of Ioannina, Greece

- Main author of the proposal of the project
- Assistant project manager
- Writing project deliverables
- Development team manager
- Designing and evaluating learning material and learning objects

Business or sector Operational Programme “Education and Lifelong Learning”, Managing Authority of Ministry of Education and Religious Affairs, European Social Fund of the European Union

May – November 2011

Teacher trainer (50 hours)

University Training Centre (UTC) of Epirus, Corfu and Lefkas, Greece

- Training in-service teachers of Greek primary and secondary schools on integrating Information and Communication Technologies (ICT) in classroom teaching

Business or sector Ministry of Education and Religious Affairs, Greece

March – June 2010

Instructor (50 hours)

Adult Education Centre of Ioannina, Greece

- Teaching “Informatics II: Basic concepts of computers in today’s information society”

Business or sector Institute of Continuing Adult Education

November 2007–October 2008

Teacher trainer (75 hours) and assistant teacher trainer (33 hours)

University Training Centre (UTC) of Epirus, Corfu and Lefkas, Greece

- Training in-service teachers of Greek primary and secondary schools on integrating Information and Communication Technologies (ICT) in classroom teaching

Business or sector Ministry of Education and Religious Affairs, Greece

September 2005- June 2007

Teacher

Public Vocational Training Institute of Corfu, Greece

- Teaching the following subjects:
 - Object Oriented Programming (28 hours)
 - Data Communication and Internet Technology (28 hours)
 - Programming Language V (Visual Basic) (28 hours)
 - Introduction to Computers (28 hours)
 - Programming Language VI (XML, Java) (56 hours)

Business or sector Ministry of Education and Religious Affairs, Greece

March - May 2007

Instructor (50 hours)

Adult Education Centre of Corfu, Greece

- Teaching “Informatics III: Introduction to Spreadsheets - Presentations – Databases”

Business or sector Institute of Continuing Adult Education

March 2006-December 2008

Instructor (48 hours)

Regional Institute of Education of Ioannina, Greece

- Teaching "WINDOWS XP – WORD"

Business or sector Ministry of Education and Religious Affairs, Greece

March – June 2004

Research fellow

Human - Computer Interaction Laboratory of the Institute of Computer Science of the Foundation for Research and Technology (FORTH), Crete, Greece

- Team member of the project "D4ALL.NET: Participation in the development of the project's web portal"
- Team member of the project 2WEAR (SEA00268-1-1) "Participation in designing self-adaptive interactive dialogue formats for portable and wearable devices"
- Team member of the project SEN-IST-NET (SEA00272-1) "Participation in the design and the development of a web portal in the context of the project"

Business or sector Foundation for Research and Technology – Hellas (FORTH), Greece

September 2001- February 2004

Postgraduate teacher assistant in the following subjects: "Introduction to Computer Science", "Human - Computer Interaction", "Advanced Topics in Human - Computer Interaction"

Department of Computer Science, University of Crete, Greece

- Making tutorials
- Correcting exercises
- Supervising exams

Business or sector Department of Computer Science, University of Crete, Greece

October 2002 – June 2003

Substitute Computer Science teacher at Secondary Education

Greek public secondary schools

- Instructing computer science to students of junior high school and high school level
- Teaching basic concepts of computer science, such as algorithms, languages programming and computer systems design

Business or sector Ministry of Education and Religious Affairs, Greece

February – June 2001

Teacher

Public Vocational Training Institute of Thessaloniki, Greece

Teaching "Communications - Networks", "Computer use"

Business or sector Ministry of Education and Religious Affairs, Greece

EDUCATION AND TRAINING

June 2007 – October 2012

Doctor of Philosophy (PhD) in Information and Communication Technologies (ICT) in Education. Dissertation title: "Pedagogical exploitation of virtual reality characteristics"

Department of Primary Education, School of Education, University of Ioannina, Greece

- Design, development, and evaluation of 3D educational virtual environments
- 3D modelling software (Autodesk 3ds max), creation of 3D real-time applications (Virtools)
- Designing and conducting educational studies
- Statistical Analysis with the use of SPSS

September 2001- February 2004

Master of Science (MSc) in Information Systems with specialization in Human – Computer Interaction. Thesis title: “Development of a Pilot Application for Web Portal using the Unified User Interface Design Method”

Department of Computer Science, School of Sciences and Engineering, University of Crete, Greece

- Designing, developing, and evaluating user interfaces
- Programming in C#, HTML, Javascript, ASP.NET, Visual Basic, VBScript, SQL

September 1996 – September 2000

Bachelor of Informatics

School of Informatics, Faculty of Sciences, Aristotle University of Thessaloniki, Greece

- Programming in Pascal, C, C++, Prolog, Matlab, ASP

PERSONAL SKILLS

Mother tongue Greek

Other language

UNDERSTANDING

SPEAKING

WRITING

Listening

Reading

Spoken interaction

Spoken production

English

C2

C2

C2

C2

C2

Certificate of Proficiency in English by the University of Michigan

Danish

Low Intermediate

Low Intermediate

Low Intermediate

Low Intermediate

Low Intermediate

Communication skills

- Problem solving / Creative thinking
- Team working / Cooperation/ Establishing collaborative relationships and projects
- Flexibility / Ability to negotiate
- Awareness of individuals
- Conflict management

Organisational / managerial skills

- Designing and formulating creative approaches to meet goals
- Effective time management / Ability to work under tight deadlines
- Handling new tasks / Taking risks / Innovating

Other skills

- Trekking
- Cycling

ADDITIONAL INFORMATION

Publications in journals / books

- Papadopoulos, P. M., Natsis, A., Obwegeser, N., Weinberger, A. (2019). Enriching Feedback in Audience Response Systems: Analysis and Implications of Objective and Subjective Metrics on Students' Performance and Attitudes. *Journal of Computer Assisted Learning*, 35 (2), 305-316.
- Natsis, A., Papadopoulos, P. M., Obwegeser, N. (2018). Research Integration in Information Systems Education: Students' Perceptions on Learning Strategies, Skill Development, and Performance. *Journal of Information Technology Education: Research* (17), 345-363.
- Natsis, A., Papadopoulos, P. M., Obwegeser, N. (2018). Students' Perceptions on Co-creating Learning Material in Information Systems Education. *Computers Supported Education: 9th International Conference, CSEDU 2017, Revised Selected Papers*. ed. / P. Escudeiro; G. Costagliola; S. Zvacek; J. Uhomoibhi; B.M. McLaren. Springer, 2018. p. 325-342.
- Papadopoulos, P. M., Natsis, A., Obwegeser, N. (2018). Using the Students' Levels of Preparation and Confidence as Feedback Information in Quiz-Based Learning Activities. *Computers Supported Education: 9th International Conference, CSEDU 2017, Revised Selected Papers*. ed. / P. Escudeiro; G. Costagliola; S. Zvacek; J. Uhomoibhi; B. M. McLaren. Springer, 2018. p. 97-115.
- Papachristos, N. M. , Vrellis, I., Natsis, A. and Mikropoulos , T. A. (2014). The role of environment design in an educational Multi-User Virtual Environment. *British Journal of Educational Technology* 45 (4), 636-646.
- Vrellis, I., Papachristos, N. M., Natsis, A., & Mikropoulos, T. A. (2012). Presence in a Collaborative Science Learning Activity in Second Life. In: A. Jimoyiannis (Ed.). *Research on e-Learning and ICT in Education* (pp. 241-251): Springer New York.
- Mikropoulos, T. A., & Natsis, A. (2011). Educational virtual environments: A ten-year review of empirical research (1999-2009). *Computers & Education*, 56 (3), 769-780.

Conferences

- Papadopoulos, P. M., Natsis, A., Obwegeser, N. (2018). *Response Justifications as Feedback in Clicker Activities: A Case Study on Student Performance and Calibration*. Proceedings of the EdMedia + Innovate Learning 2018: World Conference on Educational Media and Technology. ed. / T. Bastiaens; J. Van Braak; M. Brown; L. Cantoni; M. Castro; R. Christensen; G. Davidson-Shivers; K. DePryck; M. Ebner; M. Fominykh; C. Fulford; S. Hatzipanagos; G. Knezek; K. Kreijns; G. Marks; E. Sointu; E. Korsgaard Sorensen; J. Viteli; J. Voogt; P. Weber; E. Weippl; O. Zawacki-Richter. Waynesville, NC : Ed/ITLib Digital Library, Association for the Advancement of Computing in Education (AACE), 2018. p. 408-413.
- Papadopoulos, P. M., Natsis, A., Obwegeser, N. (2017). *In Search of Helpful Group Awareness Metrics in Closed-Type Formative Assessment Tools*. Proceedings of the 12th International

- Conference on Computer Supported Collaborative Learning. Vol. 2 International Society of the Learning Sciences (ISLS), 2017. p. 791-792.
- Papadopoulos, P. M., Natsis, A., Obwegeser, N. (2017). *Improving the Quiz: Student Preparation and Confidence as Feedback Metrics*. Proceedings of the 9th International Conference on Computer Supported Education. ed. / Paula Escudeiro; Gennaro Costagliola; Susan Zvacek; James Uhomoibhi; Bruce M. McLaren. Vol. 1 CSEDU, 2017. p. 59-69.
 - Natsis, A., Papadopoulos, P. M., Obwegeser, N. (2017). *Student Groups as Tutors in Information Systems Education: Students' Perspectives on Collaboration and Outcomes*. Proceedings of the 9th International Conference on Computer Supported Education. ed. / Paula Escudeiro; Gennaro Costagliola; Susan Zvacek; James Uhomoibhi; Bruce M. McLaren. Vol. 2 CSEDU, 2017. p. 37-45.
 - Natsis, A., Hormova, H., Mikropoulos, T.A. (2014). *Students' Views on Different Learning Objects Types*. INTED2014 Proceedings, pp. 2363-2372. 8th International Technology, Education and Development Conference, March 10-12, Valencia, Spain.
 - Natsis, A., Mikropoulos, T. A. (2013). *Influence of Virtual Reality Features and User Characteristics in 3D Educational Virtual Environments*. Proceedings of the 3rd PanHellenic Conference "Integration and Use of ICT in the Educational Process". Piraeus (in Greek).
 - Natsis, A., Vrellis, I., Papachristos, N. M., Mikropoulos, T. A. (2012). *Technological Factors, User Characteristics and Didactic Strategies in Educational Virtual Environments*. Proceedings of the 11th IEEE International Conference on Advanced Learning Technologies, July 4-6, Rome, Italy.
 - Vrellis, I., Papachristos, N. M., Natsis, A., Mikropoulos, T.A. (2010). *Measuring presence in a collaborative physics learning activity in Second Life*. 7th Pan-Hellenic Conference with International Participation "ICT in Education", September 23-26, Korinthos, Greece.
 - Zaharis, G. Natsis, A. Mikropoulos, T. A. (2008). *Properties of Educational Virtual Environments 1: Desktop Systems*. IN: Aggeli, X. And Valanidis, N. (Ed.), Proceedings of the 6th PanHellenic Conference with International Participation "ICT in Education", (vol., 2, pp. 137-144). Cyprus (in Greek).
 - Natsis, Zaharis, G (2008). *Properties of Educational Virtual Environments 2: Immersive Systems*. IN: Aggeli, X. And Valanidis, N. (Ed.), Proceedings of the 6th PanHellenic Conference with International Participation "ICT in Education", (vol., 2, pp. 145-152). Cyprus (in Greek).

Seminars

- "Education of Adult Trainers" (100 hours) conducted by the Institute of Continuing Adult Education General Secretariat for Adult Education during November 2007-May 2008.
- Training of in-service teachers in the utilisation and application of ICTs in the teaching practice of the Operational Program "Education and Lifelong Learning", NSRF (2007-2013).

Honours and awards

- MSc scholarship awardee (September 2001-February 2004) awarded by the Human-Computer Interaction Lab of the Computer Science Institute of the Computer Science Foundation for Research and Technology (FORTH).
- Scholarship awardee (March-June 2004) in training and specialization awarded by the Laboratory of Human - Computer Interaction of the Institute of Computer Science Foundation for Research and Technology (FORTH).

Memberships

- Member of the Hellenic Association of ICT in Education.
- Scientific committee member of Panhellenic conferences on ICT in Education.