

Demosthenes Stamatis

Curriculum Vitae



Personal Data

Prof. **Demosthenes Stamatis**

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Academic Qualifications

- ◆ BSc in Mathematics, University of Ioannina, Greece, 1981
- ◆ PhD in Computer Science/Artificial Intelligence, Aristotle University of Thessaloniki, Greece, 1987

Professional Experience

Work Experience:

- ◆ (1995 - today) Prof., Department of Informatics, ATEI
- ◆ (1991-1994) Associate Prof., Department of Informatics, ATEI
- ◆ (1981-1990) Research fellow /Lecturer, Aristotle University of Thessaloniki

Also

- ◆ Department of Education, Aristotle University of Thessaloniki for the MSc Course on Flexible and Distance Learning (1999-2001) and
- ◆ Department of Applied Informatics, University of Macedonia (1995-1996)

Administrative Responsibilities

- ◆ (2012–today) Member, Council of ATEI of Thessaloniki
- ◆ (2004–2010) Vice-President, Research Committee, ATEI of Thessaloniki
- ◆ (2006-2008) Head of the Department of Information Technology of ATEI of Thessaloniki
- ◆ (2001-2003) Director, School of Technological Applications of ATEI of Thessaloniki
- ◆ (1997-2001) Head of the Department of I Information Technology of ATEI of Thessaloniki
- ◆ (1996–2010) TEI Coordinator for International and National Projects regarding New Technologies in Education and e-Learning (DoODL, EuroCompetence, CIOC, mENU, dCCD, IRIS-I, EPEAEK)

- ◆ (1998-2003) Institutional Coordinator for ATEI for ECTS (European Credit Transfer System)
- ◆ Academic Supervisor in SOCRATES Inter University Cooperation Programmes (1992-1997)
 - ICP B-3045 (Informatics)
 - ICP NL-5041 (Informatics)
 - ICP B-5003/15 (Multimedia)

Teaching Experience:

- ◆ Programming Methodologies
- ◆ Data Structures
- ◆ Artificial Intelligence
- ◆ Intelligent Agents
- ◆ Logic Programming
- ◆ Knowledge Based Systems
- ◆ Advanced Learning Technologies / e-Learning

Research Interests

- ◆ Logic Programming and Programming Methodologies
- ◆ Logic Programming Computer Architectures
- ◆ Artificial Intelligence Intelligent Agents and Intelligent Tutoring Systems
- ◆ ICT based Open and Distance Learning/ e-Learning

PhD Thesis

Abstract Data Types and the Programming Language PROLOG

D. Stamatis

PhD Thesis, Aristotle University of Thessaloniki Pubs, January 1988

Publications

Book Chapters

1. Chatzara K., Karagiannidis C., **Stamatis D.**, "*Emotional Interaction in e-Learning*", In A. Jimoyiannis (Ed.), Research on e-Learning and ICT in Education. Published by Springer, ISBN 978-1-4614-1082-9, 2011.
2. Chatzara K., Karagiannidis C., **Stamatis D.**, "*Computers can feel too: Intelligent Emotional Agents in e-learning systems*" in book "Multi-Agent Systems for Education and Interactive Entertainment: Design, Use and Experience", (Hardcover). Edited by Martin Beer, Maria Fasli and Debbie Richards, ISBN13: 9781609600808, Published by Information Science Publishing, IGI-Global, September 2010.

Journals

- J1.** Chatzara K., Karagiannidis C., **Stamatis D.**, "*Cognitive support embedded in self-regulated e-learning systems for students with special learning needs*", Journal of Education and Information Technologies Vol. 19, No.1, March 2014
- J2.** Sossidou E., **Stamatis D.**, Szücs E., and Geers R., "*Development of quality indicators in poultry welfare, environment and food quality interaction studies through upgraded e-learning*", World's Poultry Science Journal, Vol. 63 , Issue 3 (September 2007), pp 413-419.
- J3.** Bacon A.E., Kargidis T., Petridis M., **Stamatis D.** and Windall G.F., "*A Generic Framework for Describing Study Plans for Networked Universities using Meta-Data*", Journal of Information Technology Impact, Vol. 4, No.1, pp. 27-40, 2004
- J4.** **Stamatis D.**, and Kargidis T., "*Models for European Network Universities for e-Learning*" (Issue Editorial), Journal of Information Technology Impact, Vol. 4, No.1, pp. 1-3, 2004
- J5.** Paraskevas A., **Stamatis D.**, Psillos D. and A. Molochides A., "*The Design and Implementation of a Networked Virtual Classroom: A case study in the area of Fluids Physics*", Journal of Information Technology Impact, Vol. 3, No.3, pp. 143-157, 2003
- J6.** Kargidis T., **Stamatis D.** and Manitsaris A., "*Virtual Learning Institution: A Distributed Model for Networked Open Learning for the Purposes of Lifelong Learning*", Journal of Information Technology Impact, Vol. 3, No.1, pp. 11-24, 2002
- J7.** **Stamatis D.**, Kefalas P. And Kargidis T., "*A Multi-Agent System to Assist Networked Learning*", Journal of Computer Assisted Learning (JCAL), Vol. 15, No. 3, Sept 1999
- J8.** Vlahavas J., Pombortsis A. and **Stamatis D.**, "*Towards a Parallel Inference Machine - The APIM project*", Microprocessing and Microprogramming", The Euromicro Journal, Vol. 30, Aug. 1990, pp. 201-206
- J9.** **Stamatis D.** and Halatsis C., "*Encapsulation Constructs in Prolog*", Microprocessing and Microprogramming, The Euromicro Journal, Vol. 21, Aug. 1987, pp. 515-522

Conference Proceedings

- C1.** Bacon L., MacKinnon L., Anderson M., Hansson B., Fox A., Cecowski. M, Hjeltnes T.A., **Stamatis D.** "*Addressing retention and completion in MOOCs - a student-centric design approach*", Proceedings of E-LEARN 2015 - World Conference on E-Learning, Kona, Hawaii, October, 2015
- C2.** **Stamatis D.**, Hansson B., Hjeltnes T.A., MacKinnon L., "*A Distributed Concurrent Design based e-Learning approach to Entrepreneurship Education*", Proceedings of the 8th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD), Sheffield, UK, June 2015

- C3.** Chatzara K., Karagiannidis C., **Stamatis D.**, “*Structural Learning through Digital Learning Storytelling for people with autism*”, In proceedings of 8th Pan-Hellenic Conference with International Participation "ICT in Education" (HCICTE 2012), September 2012, Volos, Greece.
- C4.** Stamati-Koromina V., Ilioudis C., Overill R., Georgiadis C.K., **Stamatis D.**, “*Insider threats in corporate environments: a case study for data leakage prevention*”. In Ivanovic M., Budimac Z., Radovanovic M. (Eds.), Proceedings of the Fifth Balkan Conference in Informatics, BCI 2012, Novi Sad, Serbia, Published by ACM 2012, ISBN 978-1-4503-1240-0, pp. 271–274 ,
- C5.** Chatzara K., Karagiannidis C., **Stamatis D.** , “*An Intelligent Emotional Agent for Students with Attention Deficit Disorder*”, In proceedings of the International Conference of Intelligent Networking and Collaborative systems (INCOS 2010), Thessaloniki, November 2010, Greece.
- C6.** Chatzara K., Karagiannidis C., **Stamatis D.**, “*Student’s attitude and learning effectiveness of emotional agents*”, Poster paper, In proceedings of the 10th IEEE International Conference on Advanced Learning Technologies, Sousse, Tynisia, July 5-7, 2010, IEEE Computer Society's Conference Publishing Services. (Best poster paper award).
- C7.** Chatzara K., Karagiannidis C., **Stamatis D.**, “*Study on Intelligent Emotional Agents for Learning*”, In proceedings of 7th Pan-Hellenic Conference with International Participation "ICT in Education" (HCICTE 2010), September 2010, Korinthos, Greece.
- C8.** Karapetsas E., **Stamatis D.**, “*Robot Vision Algorithm for Navigating in and Creating a Topological Map of a Reconfigurable Maze*”. In A. K. Diamantaras, W. Duch, L.S. Iliadis (Eds.): Proceedings of ICANN 2010, Part II, Lecture Notes in Computer Science 6353, pp. 327-332, Springer-Verlag, 2010
- C9.** E. Sossidou E., **Stamatis D.**, Szücs E., and Geers R., “*Assuring quality in farm animal welfare curricula: the case of WELFOOD curricula*”, *Lucrări științifice Zootehnie și Biotehnologii (SCIENTIFIC PAPERS ANIMAL SCIENCE AND BIOTECHNOLOGIES)*, vol. 42 (2) (2009), Timișoara, ISSN 1221-5287, p.p. 603-612
- C10.** Karapetsas E., **Stamatis D.**, “*Teaching AI Concepts using a Robot as an Assistant*”, In Proceedings of the 4th UK Artificial Intelligence in Education Workshop, Cambridge, 2008
- C11.** Tsadiras A. and **Stamatis D.**, “*Decisions on Networked Learning based on Fuzzy Cognitive Maps*”, In Proceedings of the 6th Networked Learning Conference, Halkidiki, Greece, 2008
- C12.** **Stamatis D.** and Kargidis T., “*Embedding Networked Learning in Greek Higher Education Institutions: Policy and Practice*” (Symposium Editorial), In Proceedings of the Networked Learning Conference, Halkidiki, Greece, 2008
- C13.** **Stamatis D.** and Kefalas P., “*Logic Programming Didactics*” In Proceedings of the Informatics Education Europe II Conference, IEEEII 2007, SEERC, ISBN 978-960-89629-3-4, pages 136-143

- C14.** Chatzara K., A. Mpantsos A., **Stamatis D.** And Tsadiras A., “*Developing Personalized E-Books: A Multi-Layered Approach*”, In Proceedings of the 3rd IFIP Conference on Artificial Intelligence Applications & Innovations (AIAI) 2006, June 7-9, Athens, Greece
- C15.** **Stamatis D.**, Kefalas P., Tsadiras A., “*Networked Academic Societies in Collaborative Development of e-Learning Courses*”, In Proceedings of the 5th Networked Learning Conference, Lancaster, UK, 2006
- C16.** Kargidis T., Kefalas P., **Stamatis D.** and Tsadiras A., “*Teaching Logic Programming from a Distance: An Approach*” In Proceedings of the 6th International Conference on Computer Based Learning in Science (CBLIS), University of Cyprus Nicosia, Cyprus 5 - 10 July 2003
- C17.** Kefalas P., Retalis S., **Stamatis D.** and Kargidis T., “*Quality Assurance Procedures and e-ODL*” IN Proceedings of the International Conference on Network Universities and E-learning, Valencia (SPAIN), 8-9 May, 2003
- C18.** **Stamatis D.**, Kargidis T., Tsadiras A. and Kefalas P., “*Towards a European Credit Transfer System for Networked Learning (ECTS-NL)*”, In Proceedings of the International Conference on Network Universities and E-learning, Valencia (SPAIN), 8-9 May, 2003
- C19.** Kargidis T., Manitsaris A. and **Stamatis D.**, “*Criteria for Evaluation of the effectiveness for Networked Learning programmes*”, In Proceedings of the 8th Panhellenic Conference in Informatics, Cyprus ,Nov. 2001
- C20.** Antoniadou N., Korobilis K., **Stamatis D.**, Psillos D., Vassala P. and Katsakiori M., “*Networked Open Learning and Environmental Education: A case study*” (In Greek), In Proceedings, Panhellenic Conference on New Technologies in Education and Distance Learning, Rethimno-Crete 2001
- C21.** Paraskevas A., **Stamatis D.**, Molochides A. and Psillos D., “*The Use of Virtual Class for Training the Trainers. A case study in the field of Fluid Physics*” (In Greek), In Proceedings of the 1th Panhellenic Conference on Open And Distance Learning, Patras, 2001
- C22.** Kargidis T., Monastiridis P. and **Stamatis D.**, “*Networked Open Learning frameworks based on the Internet*”, International Conference on Business Economics – Marketing – Management: Past, Present and Future, Athens, Greece 2000
- C23.** **Stamatis D.**, Kargidis T. and Kefalas P., “*A Model for Delivery of Networked Lifelong Learning for Enterprises*” (In Greek), 12th National Conference of Operational Research, Samos, 1998
- C24.** **Stamatis D.**, Kefalas P. and Kargidis T., “*Towards a Multi-Agent System to Assist Networked Learning*”, In Proceedings of the International Conference in Lifelong Networked Learning, pp 2.48-2.54, Sheffield, April 1998
- C25.** Menexiadis D., **Stamatis D.** and Soenen R., “*Expert Systems and Diagnosis of Failures for Rotating Machines*”, In Proceedings of the 1st National Symposium on Automation and Robotics, Athens, December 1987

Other Publications/Reports

- A1. Sossidou E., **Stamatis D.** and Szücs E., “*Development of quality indicators for e-Learning in the domain of farm animal welfare*”, Poster Presentation, 56th Annual Meeting of the European Association for Animal Production, Book of abstracts No. II (2005), Session I, Poster 10, Page 5, Uppsala, Sweden, 5-8 June 2005.
- A2. **Stamatis D.**, “*Teach Yourself Over the Net: Organisations providing Open and Distance Learning*”, Socrates EuroCompetence Publication, 2000, ISBN: 960-287-013-3
- A3. Kefalas P., Ketikidis P. and Stamatis D., “Open and Distance Learning (ODL) in the Region of Central Macedonia”, ELKEPA Report for IRIS Initiative, March 1997
- A4. Stamatis D. and Kefalas P., “Open and Distance Learning in Greece”, Socrates DoODL Project Report, June 1997
- A5. Ketikidis P., Kefalas P. and Stamatis D., “The Role of Open and Distance Learning in Enterprises” (in Greek), Sin (Journal of the Singular Software Company), Vol.11, pp.63-65, December 1997
- A6. Stamatis D. and Kefalas P. “A Tutoring Lab for logic Programming and Artificial Intelligence (AILP)” Socrates DoODL Project Report, August 1998
- A7. Stamatis D. and Kargidis T., “A Glossary of Open and Distance Learning”, Socrates EuroCompetence Project Report, September 2000
- A8. Barbas A, Psilos d. and **Stamatis D.**, “*The Process of Developing Computer Courseware in the Field of Electricity: A Case Study*” (In Greek), 3d Hellenic University Consortium, Athens 1992

Participation in Projects

European Projects:

- ◆ **FLITE:** ATEI Coordinator for the project **dCCDFLITE** (Concurrent Design Framework for eLearning in IT Entrepreneurship) Action Erasmus Multilateral Project/Knowledge Alliances (539249-LLP-1-2013-1-SE-ERASMUS-EKA), 2013 – 2015
- ◆ **WELANIMAL:** A new approach on different aspects of welfare, environment and food interactions in Central and Southeastern Europe with the use of ICT. The aim of the project is to use E-learning and ICT methods to achieve fast and sufficient training for target groups and end users, Leonardo Da Vinci Community Vocational Training Action Project (LLP-LdV-TOI-2007-TR-002), 2007-2010
(See <http://welanimal.com> for an extended description)

- ◆ **WELFOOD:** Promoting quality assurance in animal **WEL**fare – environment – **FOOD** quality interaction studies through upgraded eLearning, Leonardo Da Vinci Community Vocational Training Action Project (n° 2004 - L-B-PP-170001), 2004-2006
(See <http://www.welfood.szie.hu> for an extended description)
- ◆ ATEI Coordinator for the project **MENU** (**M**odel for a **E**uropean **N**etworked **U**niversity for e-learning), November 2001 - December 2003. The MENU project sets out to create a model for a European Networked (Virtual) University, providing a variety of e-learning opportunities. The model includes an organisational structure, a quality assurance system, examples of joint courses and study programmes across institutional borders, guidelines and a demonstrator of a practical e-learning environment. (Funded by EU under e-Learning Initiative, Project No 2002–0510/001–001 EDU–ELEARN)
(See <http://www.hsh.no/menu> for an extended description)
- ◆ ATEI Coordinator for the project **CIOC** (**C**ompetence development in **I**nternational **O**riented **C**ompanies), January 2001 – December 2002. The project contributed in the development of models for integration of organizational and competence development in knowledge based companies, having branches across Europe and aiming to train their employees through Open and Distance Learning. Siemens Metering/Norway acted as a specific test bench for adjusting and testing of such models. (Funded by The Norwegian Government)
- ◆ ATEI Coordinator for the project **EuroCompetence**, September 1998 - August 2000. The objective of EuroCompetence was to develop and try out a flexible Open and Distance Learning model for further studies for Adult learners. This model covered the need for competence among employees in Industry and Public sector that need to collaborate with other companies and institutions in Europe.. (Funded by Socrates Programme, Action 2, Chapter III).
(See <http://www.tisip.no/ec> for an extended description)
- ◆ ATEI Coordinator for the project **DoODL** (**D**issemination of **O**pen and **D**istance **L**earning) September 1996- August 1998. The aim of DoODL was to define models for collaboration between European academic institutions so they can function as centres for each other in the field of ODL. (Funded by Socrates Programme, Action 2, Chapter III)
(See <http://www.idb.hist.no/doodl/> for an extended description)
- ◆ **VSX** (**V**irtual **S**tudent **E**xchanges) project: Development of ICT based Synchronous and Asynchronous Open and Distance Learning courses in the context of the European program Netd@ys, in collaboration with Hogeschool Gent, Belgium
- ◆ **IRIS-Initiative** (**I**nter **R**egional **I**nformation **S**ociety-**I**nitative). A feasibility study on the Development of Open and Distance Learning (ODL) in the Region of Central Macedonia, 1996

National Projects:

- ◆ ATEI Coordinator for the project “Undergraduate Studies of the Technological Educational Institute of Thessaloniki”/EPEAEK 2: Introduction of New Technologies and Methods in the Curricula of 14 Departments of TEI of Thessaloniki, 2004-2008
- ◆ A Publishing Center for ATEI /EPEAEK 1: Development of a Pre-Press Publishing Center for the Technological Educational Institute of Thessaloniki, based on Digital Technologies, 1999-2001
- ◆ **SEPPE** Project/ EPEAEK 1: The Introduction of Information and Communication Technologies in Educational Actions of the Elementary School in Greece, 1998-1999 (Coordinated by Aristotle University of Thessaloniki)
- ◆ **Seirines** Project/ EPEAEK 1: Design and Development of Educational Multimedia Courseware Material. Development of Intelligent Learning Labs using multimedia interactive Simulations for High School students in the Domain of Physics and Chemistry, 1997 (Coordinated by Aristotle University of Thessaloniki)

Member of Scientific Associations:

- ◆ EPY The Greek Computer Society (Macedonia-Thrace Annex)
- ◆ ALP Association of Logic Programming
- ◆ EETN The Greek Artificial Intelligence Society