

CURRICULUM VITAE of Constantinos Mourlas

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Academic Degrees

1995 Doctoral Degree in Informatics, (Department of Informatics, University of Athens, Greece)
1988 Diploma in Computer Science, (Computer Science Department, University of Crete, Greece)

Scholarships

1985 --- 1986 State Scholarships Foundation (IKY) -- Greek (1 year, for the 2nd year of undergraduate studies)
1991 --- 1993 State Scholarships Foundation (IKY) -- (3 years, for completion of doctoral dissertation)
1998 --- 1999 European Research Consortium for Informatics and Mathematics (ERCIM) fellowship (18 months in two Research Institutes for post-doctoral studies through research)

Professional Occupation

Jan. 1989 --- Dec. 1996 Co-operation with the Department of Informatics of the University of Athens under EEC-funded ESPRIT research projects (EDS, APPLAUSE, PARACHUTE)
Jan. 1997 --- Dec. 1997 Visiting Assistant Professor at the Department of Computer Science, University of Cyprus
Jan. 1998 --- Nov. 1998 ERCIM fellow at Rutherford Appleton Laboratory - UK for post-doctoral studies through research
Dec. 1998 --- Oct.2002 Lecturer, Department of Computer Science, Cyprus

Oct. 2002 --- today Assistant Professor, Dept. of Communication and Media Studies, National and Kapodistrian University of Athens

STUDIES -- PROFESSIONAL EXPERIENCE

Dr. C. Mourlas obtained the Computer Science degree in September 1988 with qualification *very good* (grade 7.74). His doctoral dissertation in Informatics, (Department of Informatics, University of Athens, Greece) was completed on December 1994, and he obtained his doctoral degree on January 1995.

During the years 1989-1996, he participated in a number of european research projects. On January 1997 and for one year, Dr. C. Mourlas joined the Department of Computer Science of the University of Cyprus as a visiting Assistant Professor. On June 1997 he was accepted as an ERCIM fellow for post-doctoral studies through research in two European Research Institutes (CLRC - UK) and (CRCIM - Czech Republic). His training programme during his post-doctoral studies was in the context of distributed multimedia systems and the adaptive presentation of continuous media. More precisely, his work was based on:

1. Development of programming models for distributed and adaptive multimedia applications with emphasis on support for real-time synchronization.
2. System support for such programming models, concentrating on new synchronization and resource allocation protocols for distributed and adaptive environments.

On October 2002, Dr. C. Mourlas joined the Department of Communication and Media Studies of the National and Kapodistrian University of Athens as an Assistant Professor.

SCIENTIFIC ACTIVITY

The research work of Dr. C. Mourlas has been focused on the study of new methods in human communication through the development of distributed multimedia systems, the study of temporal aspects of such applications and their adaptive presentation in real-time. His recent research work falls in the development of new multimedia applications in open distributed and parallel environments. The main motivation behind this work is the interesting applications that exist in areas like human communication and education since they require the transmission and adaptive presentation of video and sound in local as well as in wider area networks and the Internet. More precisely, his current research covers the following topics:

1. New methods on human communication through distributed multimedia systems
 - Adaptive applications of distributed multimedia systems in human communication and education
 - Adaptivity and Quality of Service in Distributed Multimedia Environmernts

- Implementation of advanced applications in human communication using networked multimedia
 - Adaptive and Personalized presentation of multimedia through the Internet
 - Adaptive and Parallel Media Servers
2. Transmission of continuous media (sound and video) to distributed hosts in real-time using the Internet.
 3. Advanced applications in human communication
 4. Streaming techniques and media servers in distributed multimedia systems.
 5. Study of the quality of human communication related to the quality of service in multimedia applications
 6. Study of the effect of adaptivity in the presentation of distributed multimedia applications using the Internet
 7. Implementation of distributed multimedia applications using a LAN or WAN in the area of human communication and education.

Dr. C. Mourlas is coordinator of a national funded research project entitled «Adaptive and Personalized Communication Environments on the Internet». The main goal of the project is to study and implement new architectures that provide adaptive and personalized context to the Internet users according to their needs and preferences. The project has duration of three years (2004 – 2007).

Dr. C. Mourlas has taught a large number of undergraduate as well as postgraduate courses in the Dept. of Informatics of the University of Athens, the Dept. of Computer Science of the University of Cyprus and the Dept. of Communication and Media Studies of the University of Athens. He has also participated in various committees in order to improve the computing infrastructure of the abovementioned departments.

SCIENTIFIC WORK AND PUBLICATIONS

Publications

Books:

A book **edited** by Dr. Constantinos Mourlas & Panagiotis Germanakos (Eds.), namely, “Intelligent User Interfaces: Adaptation and Personalization Systems and Technologies”, scheduled to be published by Idea Group Inc. in 2008.

Book Contributions:

- P. Germanakos, & C. Mourlas, “Adaptation and Personalization of Web-based Multimedia Content”, A chapter in: *Digital Multimedia Perception and Design*. G. Ghinea, & S. Y. Chen (Eds.), Idea Group, Inc., Hershey, USA, 2006, pp. 284-304.

Journal Publications:

- P. Germanakos, N. Tsianos, Z. Lekkas, C. Mourlas, & G. Samaras, “Capturing Essential Intrinsic User Behaviour Values for the Design of Comprehensive Web-based Personalized Environments”, *Computers in Human Behavior Journal*,

Special Issue on Integration of Human Factors in Networked Computing.
(accepted)

- K. Μουρλάς, Ν. Τσιάνος, Π. Γερμανάκος & Ζ. Λέκκας, «Το Διαδίκτυο ως ένα Ευφρές Μέσο Επικοινωνίας», *Ζητήματα Επικοινωνίας – Περιοδικό (Communication Issues – Journal), Τεύχος 5^ο (5th Issue)*, Έκδοση του Ερευνητικού Πανεπιστημιακού Ινστιτούτου Εφαρμοσμένης Επικοινωνίας, Τμήμα Επικοινωνίας και ΜΜΕ, Ε.Κ.Π.Α. (υπό δημοσίευση)
- A.C. Kakas and A. Michael & C. Mourlas, “ACLP: Abductive Constraint Logic Programming”, *Journal of Logic Programming*, Special Issue on Abductive Logic Programming, Vol. 44, No. 1-3, pp. 129-177, July/August 2000.
- M. Vazirgiannis & C. Mourlas, “An Object-Oriented Model for Interactive Multimedia Presentations”, *The Computer Journal*, Special Issue on Multimedia, Vol. 36, No. 1, pp. 76-86, 1993.

Refereed Conference Publications:

- P. Germanakos, G. Samaras, C. Mourlas, & E. Christodoulou, “Innovative Personalization Issues for Providing User-Centric mGovernment Services”, *Proceedings of the Second European Conference on Mobile Government (Euro mGov 2006)*, Brighton, August 30-31 & September 1, 2006, pp. 124-133.
- Ν. Τσιάνος, Π. Γερμανάκος, Ζ. Λέκκας, Κ. Μουρλάς & Γ. Σαμάρας, «Βελτιστοποίηση της Αποτελεσματικότητας των Εκπαιδευτικών Υπερμέσων βάσει Προσαρμογής στο Μαθησιακό Στυλ του Χρήστη», *Πρακτικά του 5^{ου} Συνεδρίου Εκπαιδευτικών Χρηστών Πληροφορικής Τεχνολογίας*, Λευκωσία, 16-18 Ιουνίου, 2006.
- Ν. Tsianos, P. Germanakos, & C. Mourlas, «Η Χρήση του Μαθησιακού Στυλ στα Προσαρμοζόμενα Εκπαιδευτικά Υπερμέσα», *Proceedings of the 5th National Conference with International Participation in Information and Communication Technologies in Education – Evaluation and Future Research*, Thessaloniki, Greece, October 5-8, 2006 (to appear).
- Ν. Tsianos, P. Germanakos, & C. Mourlas, “Assessing the Importance of Cognitive Learning Styles over Performance in Multimedia Educational Environments”, *Proceedings of the 2nd International Conference on Interdisciplinarity in Education (ICIE2006)*, Athens, May 11-13, 2006, pp. 123-130.
- P. Germanakos, Ν. Tsianos, C. Mourlas, & G. Samaras, “New Fundamental Profiling Characteristics for Designing Adaptive Web-based Educational Systems”, *Proceeding of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA2005)*, Porto, December 14-16, 2005, pp. 10-17.
- Ν. Tsianos, P. Germanakos, C. Mourlas & Μ. Meimaris, “Cognitive Learning Styles as the Main Factor for Designing Personalized Educational Environments”, *Proceedings of the 3rd International Conference on Open and Distance Learning: ‘Applications of Pedagogy and Technology’ (ICODL2005)*, Patra, November 11-13, 2005, pp. 651-668. (in greek)
- P. Germanakos, Ν. Tsianos, & C. Mourlas, “Building an Adaptive Web-based Educational Environment Considering the User Perceptual Preference Characteristics”, *Proceedings of the 3rd International Conference on Open and Distance Learning: ‘Applications of Pedagogy and Technology’ (ICODL2005)*, Patra, November 11-13, 2005, pp. 508-521.

- P. Germanakos, C. Mourlas, C. Isaia, & G. Samaras, “An Optimized Review of Adaptive Hypermedia and Web Personalization – Sharing the Same Objective”, *Proceedings of the 1st International Workshop on Web Personalization, Recommender Systems and Intelligent User Interfaces (WPRSIUI 2005) of the 2nd International Conference on E-business and Telecommunications Networks (ICETE2005)*, Reading, October 3-7, 2005, pp. 43-48.
- P. Germanakos, C. Mourlas, & G. Samaras, “Considering the New User Requirements for Apt Mobile Internet Services Delivery”, *Proceedings of the IADIS International Conference on WWW/Internet 2005*, Lisbon, October 19-22, 2005, pp. 148-152.
- P. Germanakos, C. Mourlas, C. Isaia, & G. Samaras, “Web Personalized Intelligent User Interfaces and Processes – An Enabler of Multi-Channel eBusiness Services Sustainability”, *Proceedings of the 2nd International Conference on E-business and Telecommunications Networks (ICETE2005)*, Reading, October 3-7, 2005, pp. 177-180.
- P. Germanakos, C. Mourlas, & G. Samaras, “A Mobile Agent Approach for Ubiquitous and Personalized eHealth Information Systems”, *Proceedings of the Workshop on ‘Personalization for e-Health’ of the 10th International Conference on User Modeling (UM’05)*, Edinburgh, July 29, 2005, pp. 67-70.
- P. Germanakos, C. Mourlas, C. Panayiotou, & G. Samaras, “Personalization Systems and Processes Review based on a Predetermined User Interface Categorization”, *Proceedings of the III International Conference on Communication and Reality, Digital Utopia in the media: from discourses to facts. A balance*, Barcelona, May 20-21, 2005, pp. 431-444.
- T. Limniotis, C. Mourlas & G. Papadopoulos, “Event-Driven Coordination of Real-Time Components”, International Workshop on Distributed Event-Based Systems, (held in conjunction with the 22nd International Conference on Distributed Computing Systems ICDCS’2002), IEEE Computer Society Press, Vienna, Austria, July 2 - 5, 2002.
- C. Mourlas, “Specification and Verification of Quality Requirements in Distributed Multimedia Presentations”, International Workshop on Multimedia Network Systems and Applications, (held in conjunction with the 22nd International Conference on Distributed Computing Systems ICDCS’2002), IEEE Computer Society Press, Vienna, Austria, July 2 - 5, 2002.
- C. Mourlas, “Predictability and Resource Management in Distributed Multimedia Presentations”, 8th International Workshop on Parallel and Distributed Real-Time Systems (WPDRTS’00), (held in conjunction with the International Parallel & Distributed Processing Symposium, IPDPS 2000), Lecture Notes in Computer Science, Springer-Verlag, Vol. 1800, pp.750--756, Cancun, Mexico, May 2000.
- C. Mourlas, “A Framework for Creating and Playing Distributed Multimedia Information Systems with QoS Requirements”, In proceedings of the 2000 ACM Symposium on Applied Computing, SAC’2000, pp. 598--600, Como, Italy, 2000 (short paper).
- C. Mourlas, “Multiprocessor Scheduling of Real-Time Tasks with Resource Requirements”, In proceedings of the 5th International Euro-Par Conference (EuroPar99 Parallel Processing), Lecture Notes in Computer Science, Springer-Verlag, Vol. 1685, pp. 497-504, Toulouse, France, 1999.
- C. Mourlas, D. Duce & M. Wilson, “On Satisfying Timing and Resource Constraints in Distributed Multimedia Systems”, In proceedings of the IEEE International Conference on Multimedia Computing and Systems ICMCS’99,

IEEE Computer Society Press, pp. 16-20, Florence, Italy, 1999 (poster session, included in the proceedings).

- A.C. Kakas and A. Michael & C. Mourlas, “ACLP: A Case for Non-Monotonic Reasoning”, In proceedings of the 7th International Workshop on Non-Monotonic Reasoning (NMR'98), pp. 46-56, Trento, Italy, 1998.
- C. Mourlas & C. Halatsis, “Task Synchronization for Distributed Real-Time Applications”, In proceedings of the 9th Euromicro Workshop on Real-Time Systems, IEEE Computer Society Press, pp. 184--190, Toledo, Spain, 1997.
- A.C. Kakas & C. Mourlas, “ACLP: Flexible Solutions to Complex Problems”, In proceedings of the Fourth International Conference on Logic Programming and Non-Monotonic Reasoning (LPNMR'97), Lecture Notes in Artificial Intelligence, Springer-Verlag, Vol. 1265, pp. 387-399, Dagstuhl, Germany, 1997.
- C. Mourlas & C. Halatsis, “MAGE: A Massively Agent Execution System for Logic Programming”, in proceedings of the 6th International Conference on Parallel Architectures and Languages Europe (PARLE94), Lecture Notes in Computer Science, Springer-Verlag, Vol. 817, pp. 737-740, July 1994, Greece (poster session, included in the proceedings).
- C.Halatsis, P.Stamatopoulos, I.Karali, C.Mourlas, D.Gouscos, D.Margaritis, C.Fouskakis, A.Kolokouris, P.Xinos, M.Reeve, A.Veron, K.Schuerman & L.-L. Li, “MaTourA: Multi-agent Tourist Advisor”, International Conference on Information and Communication Technology in the Field of Tourism (ENTER'94), pp. 140-147, January 1994, Innsbruck, Austria.
- C. Mourlas & C. Halatsis, “Extensions to a Parallel Prolog System to Support Real-Time Applications”, in proceedings of the 4th International Conference on Parallel Architectures and Languages Europe (PARLE92), Lecture Notes in Computer Science, Springer-Verlag, Vol. 605, pp. 551--565, June 1992, Paris, France.
- C. Halatsis, M. Katzouraki, M. Hatzopoulos, P. Stamatopoulos, I. Karali, C. Mourlas, M. Gergatsoulis, & E. Pelecanos. “PETINA: PErsonalized Tourist INformation Advisor”. In proceedings of the 3rd Panhellenic Conference in Informatics, Athens, 1991.
- C. Halatsis, M.Katzouraki, M.Gergatsoulis & C. Mourlas, “ElipSys Language Extensions to Support Numerical and Real-Time Applications”. In proceedings of the 3rd Panhellenic Conference in Informatics, Athens, 1991