



Yiannis Cotronis

Title: Assistant Professor on Software Technology of Parallel Applications

Sector: Computer Systems and Applications

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Academic Qualifications:

- Ph.D. in Computing Science, Computing Laboratory, University of Newcastle-upon-Tyne, UK, 1982
- M.Sc. in Computing Science, Computing Laboratory, University of Newcastle-upon-Tyne, UK, 1975
- B.Sc. in Mathematics with Applied Sciences, University of Sussex, UK, 1974

Appointments:

- 1995 -- today : Assistant Professor, Dpt. of Informatics & Telecom., University of Athens
- 1991 --1995 : Lecturer, Dpt. of Informatics & Telecom., University of Athens
- 1989 --1991: R&D Director, ELSYP AE
- 1985 --1987 & 1988-89 : Special Scientist, Dpt Physics, UoA
- 1987 -- 1889 : Research Associate CTI, Patras.
- 1980 -- 1982 & 1983-1984 : Research Associate, Computing Laboratory, University of Newcastle-upon-Tyne, UK,

Teaching Activities: (current)

Undergraduate courses

- Data Structures
- Parallel Systems

Postgraduate courses

- Computation Technology of Parallel Systems
- Anatomy of Programming Languages

Supervisor of 6 Ph.D. dissertations

Research Interests/Activities: (last 10 years)

- Distributed and Decentralized Workflow Management for eScience Applications
- Methodology, Tools and Techniques for Developing Parallel Applications
- Visualization, Animation and Simulation of Algorithms and Applications

Scientific Publications/Citations:

- 8 publications in refereed journals
- 41 refereed conference publications
- 3 Invited talks
- More than 280 citations. (H-index 8)
- Author/co-author of 1 textbook
- Editor of 4 Conference Proceedings
- Critical Reader of 2 books for Open University

Top five publications

- Giorgos Tylissanakis, Yiannis Cotronis, "Data Provenance and Reproducibility in Grid Based Scientific Workflows," gpc, pp.42-49, 2009 Workshops at the Grid and Pervasive Computing Conference, 2009
- Y. Cotronis, E. Floros, C. Alexopoulos and G. Tylissanakis Towards a System-Level Science Ecosystem for the Composition and Execution of Multi-Physics Simulations, PDP 2008.
- E. Floros, Yiannis Cotronis: Exposing MPI Applications as Grid Services. Euro-Par 2004: 436-443. Special Issue on Grid Computing, Parallel Processing Letters, Vol. 15, No 1&2, 2005, pg. 85-98.
- E. Floros and Y. Cotronis Execution and composition of e-science applications using the WS-resource construct, 20th IEEE International Parallel & Distributed Processing Symposium 2006.
- E. Floros and Y. Cotronis ServOSims: A Service Oriented Framework for Composing and Executing Multidisciplinary Simulations, e-science 2006.

Distinctions:

- Best Paper, Enress Conference 1997
- Best Paper, EuroPar Conference 2003
- Scientific Descendant (grandchild) of C.A.R. Hoare.

Other Activities:

- 5 R&D projects
- Conference Chair (EuroMicro PDP 2000, 2010, 2011, EuroPVM-MPI 2001, IEEE Pervasive Services 2005, EuroMPI 2011)
- More than 20 program committees
- Chair of Evaluation Committees in the Ministries of Education, General Secretariat of Information Systems.
- Chair of Evaluation Committee of UoA
- Member of Central Examination Board for the PanHellenic Examinations
- Member of the Committee for the PanHellenic Examinations for the Development of Computer Applications.