Manolis Koubarakis

Title: Professor of Artificial Intelligence
Sector: Computer Systems and Applications
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Academic Qualifications:

- Ph.D. in Computer Science (1994), Dept. of Electrical and Computer Engineering, National and Kapodistrian University of Athens
- M.Sc. in Computer Science (1988), Dept. of Computer Science, University of Toronto
- B.Sc. in Mathematics (1986), Dept. of Mathematics, University of Crete

Appointments:

- April 2011 - today : Professor, Dept. of Informatics and Telecommunications, University of Athens
- November 2005 - March 2011 : Associate Professor, Dept. of Informatics and Telecommunications, University of Athens
- August 1999 – October 2005 : Assistant and Associate Professor, Dept. of Electronic and Computer Engineering, Technical University of Crete
- January 1995 – December 1998 : Lecturer, Dept. of Computation, University of Manchester - Institute of Science and Technology
- October 1993 – December 1995 : Research Associate, Dept. of Computing, Imperial College, London.

Teaching Activities: (current)

Undergraduate courses
- Artificial Intelligence
- Artificial Intelligence II
- Introduction to Informatics (Dept. of Theology)

Postgraduate courses
- Knowledge Technologies

Ph.D. Student Supervision:

- 2 Ph.D. students completed (currently Associate Professor and Lecturer at the University of the Peloponnese).
- Currently supervising 6 Ph.D. students

Research Interests/Activities: (last 10 years)

- Artificial Intelligence (knowledge representation and reasoning, constraint satisfaction)
- Distributed systems (P2P, grid and cloud technologies)
- Web technologies (information retrieval and filtering, semantic web, web services)
- Databases (temporal and spatial databases, constraint databases)

Scientific Publications/Citations:

- 20 publications in refereed journals (ACM journals: 3, IEEE journals: 4, AIJ: 4, TCS: 3, IS: 2, JWS: 1)
- 59 refereed conference publications (AAAI, CP, SIGIR, WWW, ISWC, ICDE etc.)
- Over 3000 citations in Google Scholar using Publish or Perish, H-index=29.

Five Selected Publications:

- J. Mylopoulos, A. Borgida, M. Jarke and M. Koubarakis, Telos: Representing Knowledge about Information Systems, ACM Transactions on Information Systems, Vol. 8, No. 4, October 1990, pages 325-362.
- M. Koubarakis, The Complexity of Query Evaluation in Indefinite Temporal Constraint Databases, Theoretical Computer Science, Vol. 171, pages 25-60, January 1997.
- D. Cohen, P. Jeavons, P. Jonsson and M. Koubarakis, Building Tractable Disjunctive Constraints, Journal of ACM, Vol. 47, No. 5, pages 826-853, September 2000.
- Christos Tryfonopoulos, Stratos Idreos, and Manolis Koubarakis, Publish/Subscribe Functionality in IR Environments using Structured Overlay Networks. In Proceedings of the 28th Annual International ACM SIGIR Conference, Salvador, Brazil, August 2005.
- C. Tryfonopoulos, M. Koubarakis and Y. Drougas. Information Filtering and Query Indexing for an Information Retrieval Model. ACM Transactions on Information Systems , Vol. 27, No. 2, 2009.

Research Projects:

- Currently co-ordinating the European ICT STREP project "TELEIOS: Virtual Observatory Infrastructure for Earth Observation Data", http://www.earthobservatory.eu
- Principal Investigator for 7 European research projects (2 FET, 4 STREP, 1 NoE), 2 projects with industry (British Telecom, Microsoft Research), and 2 national projects.
- Member of the scientific team in 1 European research project, 1 national research project and 2 national development projects.
- Total amount of funding in excess of 3 million Euros.

Distinctions:

- Best student paper award (ECDL 2005)
- CP 95 paper selected to appear in special issue of journal TCS.

Other Activities:

- Member of the Editorial Board of JWS (2010-today), IJAIT (2002-today).
- PC Co-chair for the European Semantic Web Conference, 2008.
- More than 160 PC memberships.