Mema (Dimitra-Isidora) Roussopoulou
Title: Assistant Professor
Sector: Computer Systems and Applications
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Academic Qualifications:

- Ph.D. in Computer Science (2003), Computer Science Department, Stanford University
- B.S.. in Computer Science (1995), Computer Science Department, University of Maryland at College Park

Appointments:

- March 2009 – present: Assistant Professor, Department of Informatics and Telecommunications, University of Athens
- June 2006 – March 2009: Assistant Professor, Computer Science Department, University of Crete
- September 2003 – July 2007: Assistant Professor on the Gordon McKay Endowment, School of Engineering and Applied Sciences, Harvard University

Teaching Activities: (current)

Undergraduate courses
- Systems Programming

Graduate courses
- Advanced Operating Systems
- Distributed Systems

Supervisor of 2 Ph.D. dissertations

Research Interests/Activities:

- Distributed Systems
- Peer-to-peer systems
- Digital Preservation
- Networking

Scientific Publications/Citations:

- 40+ publications in top-tier journals and conferences (acceptance ratio < 20% for 2/3 of papers)
- More than 1450 citations. (H-index 20)

Representative publications

- Georgios Smaragdakis, Nikos Laoutaris, Vassilis Lekakis, Azer Bestavros, John W. Byers, and Mema Roussopoulos, "Selfish Overlay Network Creation and Maintenance," *To appear in IEEE/ACM Transactions on Networking*, 2011

- Georgios Smaragdakis, Nikolaos Laoutaris, Pietro Michiardi, Azer Bestavros, John W. Byers, and Mema Roussopoulos, "Distributed Network Formation for n-way Broadcast Applications", *IEEE Transactions on Parallel and Distributed Systems,* Volume 21, No. 10*,* p. 1427-1441, October 2010

- Geoffrey Goodell, Mema Roussopoulos, Scott Bradner, "A Directory Service for Perspective Access Networks", *IEEE/ACM Transactions on Networking,* Volume 17, Issue 2, p. 501-514, April 2009.

- Petros Maniatis, Mema Roussopoulos, TJ Giuli, David S. H. Rosenthal, Mary Baker, and Yanto Muliadi, ``The LOCKSS Peer-to-Peer Digital Preservation System,'' *ACM Transactions on Computer Systems*, Volume 23, Issue 1, p. 2-50, February 2005.

- Bryan Parno and Mema Roussopoulos, ``Defending a P2P Digital Preservation System'', *IEEE Transactions on Dependable and Secure Computing,* Vol. 1 No. 4, p. 209-222, October-December 2004.

- Konstantinos Tsakalozos, Mema Roussopoulos, Vangelis Floros, and Alex Delis, "Nefeli: Hint-based Execution of Workloads in Clouds", *Proceedings of the 30th IEEE International Conference on Distributed Computing Systems (IEEE ICDCS 2010),* Genoa, Italy, June 2010. Acceptance ratio: 84/585 (14.4%).

- Ian Rose, Rohan Murty, Peter Pietzuch, Jonathan Ledlie, Mema Roussopoulos, Matt Welsh, "Cobra: Content-Based Filtering and Aggregation of Blogs and RSS Feeds", *Proceedings of the 4th USENIX/ACM Symposium on Networked Systems Design and Implementation (NSDI),* Cambridge, Massachusetts, April 2007. Acceptance ratio: 27/113 (23%).

- Mary Baker, Mehul Shah, David S. H. Rosenthal, Mema Roussopoulos, Petros Maniatis, TJ Giuli, Prashanth Bungale, "A Fresh Look at the Reliability of Long-term Digital Storage", *Proceedings of ACM EuroSys,* Leuven, Belgium, April, 2006. Acceptance Ratio: 29/144 (20%).

- Petros Maniatis, Mema Roussopoulos, TJ Giuli, David S. H. Rosenthal, Mary Baker, and Yanto Muliadi, "Preserving Peer Replicas By Rate-Limited Sampled Voting," *Proceedings of the 19th ACM Symposium on Operating Systems Principles,* Bolton Landing, New York, October, 2003, Acceptance Ratio: 22/128 (17%). **Best Paper Award. Also placed 2nd at the ACM Research Competition Grand Finals.**

Distinctions:

- Endowed Junior Chair, Harvard University
- NSF CAREER Award
- Best Paper Award at ACM SOSP 2003
- Program Committee Member for all top computer systems conferences (ACM SOSP, USENIX, OSDI, SIGCOMM)