

Elisabetta Di Nitto

Short Curriculum

Professional History

Associate Professor in the Dipartimento di Elettronica, Informazione e Bioingegneria of Politecnico di Milano.

From April 1996 to June 1999 she has been researcher at CEFRIEL, leading the software engineering area.

From April 1998 to September 1998 she has been visiting professor at University of California, Irvine (USA).

Elisabetta's expertise lies in the area of software engineering and, in particular, of large-scale, open, service-oriented systems with a special attention to the techniques to make these systems self-adaptable to the changes in the environment and in the performances of its distributed components, and to enable them to identify and incorporate new components at runtime. Recently, she has been focusing on Cloud Computing and, in particular, on how to design applications that can run on multiple clouds in order to limit vendor lock-in and to increase availability and reliability of such applications.

Publications

Elisabetta has published so far 92 papers, of which 10 on international journals and 4 (plus a research demo) in the proceedings of the International Conference on Software Engineering.

Google scholar citation indices: citations 3241, h-index 24, i10-index 47.

Teaching

Software Engineering 2 (graduate course)

Software Engineering 1 for the online degree (undergraduate course)

Foundations of computer science (undergraduate course of the Mechanical and Energetic Engineering curricula).

Member of International Boards

- IFIP working group on Services-oriented Systems (WG 2.14/6.12/8.10)
- QE LaB Advisory Board

Evaluator for EU FP7 programme, the Executive Board of the Austrian Science Fund, the French CHIST-ERA programme, the WWTF Information and Communication Technology Call 2010.

Member of Editorial Boards

- IEEE Transactions on Software Engineering,
- SOCA journal.
- Journal of Software: Evolution and Process.

Conference committees

- general chair of ESEC-FSE 2015
- program co-chair of ASE 2010
- program co-chair of ServiceWave 2010
- workshops co-chair of ICSE 2010
- workshops co-chair of ICSE 2006
- demo track chair of ICSE 2007
- tutorial chair of ASE 2014
- program committee of various international conferences such as ICSE (including ICSE 2015), ASE, FSE, ESEC-FSE, ICSE, ICAC, ServiceWave, SEKE, DEXA.

Keynote Speaker at International Conferences

- 2010 International Conference on Global Software Engineering
- 2011 Third International Workshop on Principles of Engineering Service-Oriented Systems

Participation in funded projects

- Coordinator of the FP7 Integrated Project MODAClouds (n. 318484), period 2012-2015, overall budget 8.5 MI Euro.
- Project scientific director of the Integrated Project SeCSE, period 2004-2008, budget for CEFRIEL 1.7 MI Euro.
- Principal Investigator for Polimi of the STREP SeaClouds, period 2013-2015, budget for Polimi 440 K Euro
- Principal Investigator for Polimi of the FET CASCADAS, period 2006-2009, budget for Polimi 225 K Euro
- Workpackage leader in the S-Cube (Software Services and Systems) Network of Excellence, period 2008-2011 (379 K Euro).
- Supporting the coordination of ART DECO (Adaptive InfRasTuctures for DECentralized Organizations), Italian Ministry for University and Research, period 2006-2009 (653.8 K Euro).
- Participant in the projects SMScom, SLA@SOI, SOA4All, D-ASAP.

PhD students

- Luca Cavallaro (2007-2010)
- Daniel J. Dubois (2008-2010)
- Nicola Calcavecchia (2010-2012)
- Santo Lombardo since beginning of 2012
- Marco Miglierina since beginning of 2013
- Luca Florio since October 2013

Participation to PhD committees

- Jon Arvid Børretzen, Norwegian University of Science and Technology, defense 2007
- Qin Gu, VU University Amsterdam, defense 2011
- Grégory Nain, Irista University, Renne, defense 2011
- Issac Garcia, University of Grenoble, defense 2012
- Aneta Vulgarakis, Mälardalen University, defense 2012
- Maryam Razavian, VU University Amsterdam, defense 2013
- Paul Snyder, Drexel University, Philadelphia, defense 2013
- Damian Andrew Tamburri, VU University Amsterdam, defense planned for spring 2014

Grants and awards

- Amazon AWS research grant in 2010 and 2012.
- Microsoft Azure research grant in 2013.
- In the journal Information and Software Technology, vol 50, 2008 the paper coauthored by Cugola, Fuggetta and myself and published on IEEE Transaction on Software Engineering, 27 (9) 2001, pp 827-850 was listed as the second most cited paper of that year.

Activities at Politecnico

Member of the board of professors of the doctoral program in Information Technology at Politecnico in 2001 before maternity leave.

Currently, member of the committee for monitoring and improving teaching in IT at Politecnico (Commissione AVA).