

PAOLO ATZENI
Short CV

Paolo Atzeni is Professor at Università Roma Tre since its foundation in 1992, and he is currently Vice-Rector for Academics (Prorettore alla Didattica), since November 2017. He was the Head of the Department of Engineering (essentially, a Dean's position, as Departments are the only organization body in the University) from January 2013 to October 2017.

Previously, he was Professor at Università di Roma La Sapienza (1990-1992), Associate Professor at Università di Napoli (1987-1990), member of the research staff at IASI-CNR in Rome (1983-1987). He also had long visiting appointments at Università dell'Aquila (1986-1987) and the University of Toronto (1984) and also stayed at Microsoft Research (January 2003) and UCLA (April-May 1981). He received his Dr. Ing. degree in Electrical Engineering from Università di Roma "La Sapienza" in 1980.

At Roma Tre, he was President of Corso di Laurea in Ingegneria Informatica (coordinator of undergraduate and master's programs in computer engineering) for six years (1994-2000) and he was a member (2000-2012) and vicepresident (2010-2012) of Nucleo di Valutazione.

He leads the Database Group at Roma Tre and he has worked on various topics in the database field, including relational database theory, conceptual modelling and design tools, deductive database, databases and the Web, cooperation of database systems. In the last few years, his major interest has been on model management, with specific attention to the study and transformation of schema and data from a model to another. He has published his research result in the major journals of the field, including ACM Transactions of Database Systems, VLDB Journal, Information Systems, SIAM Journal of Computing, Journal of Computer and System Sciences and in the refereed proceedings of all the major database conferences (ACM-SIGMOD, VLDB, EDBT, ACM-PODS, ICDE, ICDT, CAiSE). He has authored sixteen books (two in English and fourteen in Italian) and edited twelve. He has given keynote or invited lectures at various events and seminars at many universities and research centres worldwide (for a list of keynotes and seminars: <http://www.dia.uniroma3.it/~atzeni/atzeniSeminars.html>)

He has coordinated a number of large national projects funded by CNR and MIUR, and participated as a local coordinator, to various international projects, funded by the EU and INTAS. He received an IBM Faculty Award and a Microsoft Research Fellowship for one of his PhD Students.

He was one of the major scientific organizers for a number of major conferences: ICDT'86, DBPL'95, WebDB'98, VLDB 2001, ER 2004, ADBIS 2008, VLDB 2010, ER 2012, BigComp2015. He has also been program committee member for many international events. He is currently serving on the Executive Board of the EDBT Association, of which he is also Past President. He was a member (also secretary and vice president) of the VLDB Endowment and of the steering committees of DBPL, ER, and ICDT Conferences. For a list of editorial and service activity, see <http://www.dia.uniroma3.it/~atzeni/atzeniActivities.html>

Recent publications (since 2003)

for a more complete list, see the DBLP entry:

<http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/a/Atzeni:Paolo.html>

- P. Atzeni, L. Bellomarini, F. Bugiotti, M. De Leonardis: Executable schema mappings for statistical data processing. *Distributed and Parallel Databases* 36(2): 265-300 (2018)
- P. Atzeni, L. Cabibbo, R. Torlone: Data Modeling Across the Evolution of Database Technology. *A Comprehensive Guide Through the Italian Database Research Studies in Big Data 31*, Springer International Publishing, 2018: 221-234, 2017
- S. Britell, L. M. L. Delcambre, P. Atzeni: Web System Development Using Polymorphic Widgets and Generic Schemas. *Conceptual Modeling Perspectives* 2017: 121-135
- P. Atzeni, F. Bugiotti, L. Cabibbo, R. Torlone: Data modeling in the NoSQL world. *Computer Standards and Interfaces*. In Press, Available online 15 October 2016
- P. Atzeni, L. Bellomarini, E. Laurenza, M. Lippi: SAMIZDATA: A Scale-independent Data Management System for Time Series. *CAiSE Industry Track* 2016
- P. Atzeni: Data Modelling in the NoSQL world: A contradiction? *CompSysTech* 2016: 1-4
- S. Britell, L.M.L. Delcambre, P. Atzeni: Facilitating Data-Metadata Transformation by Domain Specialists in a Web-Based Information System Using Simple Correspondences. *ER* 2016: 445-459
- L. Bellomarini, P. Atzeni, L. Cabibbo: Data integration with Many Heterogeneous Sources and Dynamic Target Schemas (Extended Abstract). *AMW* 2015
- P. Atzeni: Models for NoSQL Databases: A Contradiction? *ER Workshops* 2015: 133

- F. Bugiotti, L. Cabibbo, P. Atzeni, R. Torlone: Database Design for NoSQL Systems. Conceptual Modeling - 33rd International Conference, ER 2014, 223-231
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- P. Atzeni, F. Bugiotti, L. Rossi., Uniform access to NoSQL systems, Information Systems Volume 43, July 2014, Pages 117-133 <http://dx.doi.org/10.1016/j.is.2013.05.002i>
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- Paolo Atzeni, Francesca Bugiotti, Luca Rossi: SOS (save our systems): a uniform programming interface for non-relational systems. EDBT 2012: 582-585
- Verónica Andrea Bollati, Paolo Atzeni, Esperanza Marcos, Juan M. Vara: Model Management Systems vs. Model Driven Engineering: a case study. SAC 2012: 865-872
- Paolo Atzeni, Fabio Polticelli, Daniele Toti: Knowledge Discovery from Textual Sources by using Semantic Similarity. SEBD 2012: 213-220
- Daniele Toti, Paolo Atzeni, Fabio Polticelli: A Knowledge Discovery Methodology for Semantic Categorization of Unstructured Textual Sources. SITIS 2012: 944-951
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- Daniele Toti, Paolo Atzeni, Fabio Polticelli, Automatic Protein Abbreviations Discovery and Resolution from Full-Text Scientific Papers: The PRAISED Framework. Bio-Algorithms and Medical-Systems Vol. 8, Issue 1 (Mar 2012), pp. 13-52. doi: 10.2478/bams-2012-0002 ISSN: 1896-530X
- Paolo Atzeni, Elisa Bertino, Masaru Kitsuregawa, Kian-Lee Tan: Special issue: best papers of VLDB 2010. VLDB J. 21(2): 167-168 (2012)
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