

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 (1984-1985) and also stayed at the National University of Singapore (February 2008), Microsoft Research (January 2003), 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
- S. Britell, L.M.L. Delcambre, P. Atzeni: Generic Data Manipulation in a Mixed Global/Local Conceptual Model. Conceptual Modeling - 33rd International Conference, ER 2014, 246-259
- S. Britell, L.M.L. Delcambre, P. Atzeni: Flexible Information Integration with Local Dominance. EJC 2014: 21-40
- 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>
- P. Atzeni, C.S. Jensen, G. Orsi, S. Ram, L. Tanca, R. Torlone: The relational model is dead, SQL is dead, and I don't feel so good myself. SIGMOD Record 42(2): 64-68 (2013)
- Paolo Atzeni, Luigi Bellomarini, Francesca Bugiotti: EXLEngine: executable schema mappings for statistical data processing. EDBT 2013: 672-682
- P. Atzeni, D. W. Cheung, S. Ram: Conceptual Modeling - 31st International Conference ER 2012, Florence, Italy, October 15-18, 2012. Proceedings. Lecture Notes in Computer Science 7532, Springer 2012, ISBN 978-3-642-34001-7
- 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
- Paolo Atzeni, David W. Cheung, Sudha Ram (Eds.): Conceptual Modeling - 31st International Conference ER 2012, Florence, Italy, October 15-18, 2012. Proceedings. Lecture Notes in Computer Science 7532, Springer 2012, ISBN 978-3-642-34001-7
- 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)
- Paolo Atzeni, Stefano Paolozzi, Pierluigi Del Nostro: Temporal Content Management and Web Sites Modeling: Putting Them Together. T. Large-Scale Data- and Knowledge-Centered Systems, 5: 158-182 (2012) Doi: dx.doi.org/10.1007/978-3-642-28148-8_7.
- Paolo Atzeni, Luigi Bellomarini, Francesca Bugiotti, Fabrizio Celli, Giorgio Gianforme, A runtime approach to model-generic translation of schema and data, Information Systems, Volume 37, Issue 3, May 2012, Pages 269-287, ISSN 0306-4379, 10.1016/j.is.2011.11.003.
- Paolo Atzeni, Fabio Polticelli, Daniele Toti: An Automatic Identification and Resolution System for Protein-Related Abbreviations in Scientific Papers. EvoBio 2011: 171-176
- Paolo Atzeni, Fabio Polticelli, Daniele Toti: A framework for semi-automatic identification, disambiguation and storage of protein-related abbreviations in scientific literature. ICDE Workshops 2011, IEEE: 59-61
- Elisa Bertino, Paolo Atzeni, Kian Lee Tan, Yi Chen, Y. C. Tay (Guest editors): Proceedings of the VLDB Endowment, Vol.3, No 1 and 2, Aug 2010.
- Paolo Atzeni and Riccardo Torlone: Data and Metadata Management, in Semantic Web Information Management, A Model-Based Perspective, de Virgilio, Roberto; Giunchiglia, Fausto; Tanca, Letizia (Eds.), pages 9-24, Springer-Verlag, 2010.
- Paolo Atzeni, Pierluigi Del Nostro, and Stefano Paolozzi: MIDST: Interoperability for Semantic Annotations, in Semantic Web Information Management, A Model-Based Perspective, de Virgilio, Roberto; Giunchiglia, Fausto; Tanca, Letizia (Eds.), pages 479-500, Springer-Verlag, 2010.
- Paolo Atzeni, Giorgio Gianforme, Daniele Toti: Polymorphism in Datalog and Inheritance in a Metamodel. FoIKS Springer 2010: 114-132
- Paolo Cappellari, Denilson Barbosa, Paolo Atzeni: A framework for automatic schema mapping verification through reasoning. ICDE Workshops IEEE 2010: 245-250
- Paolo Atzeni, Luigi Bellomarini, Francesca Bugiotti, Giorgio Gianforme: A runtime approach to model-independent schema and data translation. EDBT 2009: 275-286 119
- Paolo Atzeni, Luigi Bellomarini, Francesca Bugiotti, Giorgio Gianforme: MISM: A Platform for Model-Independent Solutions to Model Management Problems. J. Data Semantics 14: 133-161 (2009) 118
- Paolo Atzeni, Giorgio Gianforme, Paolo Cappellari: A Universal Metamodel and Its Dictionary. T. Large-Scale Data- and Knowledge-Centered Systems 1: 38-62 (2009)
- Paolo Atzeni, Albertas Caplinskas, Hannu Jaakkola: Advances in Databases and Information Systems, 12th East European Conference, ADBIS 2008, Pori, Finland, September 5-9, 2008. Proceedings Springer 2008

- Paolo Atzeni, Albertas Caplinskas, Hannu Jaakkola: Advances in Databases and Information Systems, Proceedings of the 12th East European Conference, ADBIS 2008, September 5-9, 2008, Pori, Finland Tampere University of Technology. Pori. Publication 2008
- Paolo Atzeni, Luigi Bellomarini, Francesca Bugiotti, Giorgio Gianforme: From Schema and Model Translation to a Model Management System. BNCOD 2008: 227-240
- Pierluigi Del Nostro, Stefano Paolozzi, Paolo Atzeni: Extending MIDST to Semantic Annotation. DEXA Workshops 2008: 207-211
- Paolo Atzeni, Giorgio Gianforme, Paolo Cappellari: Reasoning on Data Models in Schema Translation. FoIKS 2008: 158-177
- Paolo Atzeni, Stefano Paolozzi, Pierluigi Del Nostro: Ontologies And Databases: Going Back And Forth. ODBIS 2008: 9-16
- Paolo Atzeni, Luigi Bellomarini, Francesca Bugiotti, Giorgio Gianforme: A platform for model-independent solutions to model management problems. SEBD 2008: 310-317
- Paolo Atzeni, Paolo Cappellari, Riccardo Torlone, Philip A. Bernstein, Giorgio Gianforme: Model-independent schema translation. VLDB J. 17(6): 1347-1370 (2008)
- P. Atzeni, S. Ceri, P. Fraternali, S. Paraboschi, R. Torlone Basi di dati: Architetture e linee di evoluzione, seconda edizione, McGraw-Hill Italia, 2007.
- Stefano Spaccapietra, Paolo Atzeni, François Fages, Mohand-Said Hacid, Michael Kifer, John Mylopoulos, Barbara Pernici, Pavel Shvaiko, Juan Trujillo, Ilya Zaihrayeu: Journal on Data Semantics VIII Springer 2007
- Stefano Spaccapietra, Paolo Atzeni, François Fages, Mohand-Said Hacid, Michael Kifer, John Mylopoulos, Barbara Pernici, Pavel Shvaiko, Juan Trujillo, Ilya Zaihrayeu: Journal on Data Semantics IX Springer 2007
- Paolo Atzeni: Schema and Data Translation: A Personal Perspective. ADBIS 2007: 14-27
- Stefano Paolozzi, Paolo Atzeni: Interoperability for Semantic Annotations. DEXA Workshops 2007: 445-449
- Paolo Atzeni, Paolo Cappellari, Giorgio Gianforme: MIDST: model independent schema and data translation. SIGMOD Conference 2007: 1134-1136
- Paolo Atzeni, Tiziana Catarci, Barbara Pernici: Multi-channel Adaptive Information Systems. World Wide Web 10(4): 345-347 (2007)
- P. Atzeni, S. Ceri, P. Fraternali, S. Paraboschi, R. Torlone Basi di dati: Architetture e linee di evoluzione, seconda edizione, McGraw-Hill Italia, 2007.
- Paolo Atzeni, Paolo Cappellari, Philip A. Bernstein: Model-Independent Schema and Data Translation. EDBT 2006: 368-385
- P. Atzeni, S. Ceri, S. Paraboschi, R. Torlone Basi di dati: modelli e linguaggi di interrogazione, seconda edizione, McGraw-Hill Italia, 2006.
- Paolo Atzeni, Paolo Cappellari, Philip A. Bernstein: A Multilevel Dictionary for Model Management. ER 2005 LNCS 3716, Springer 2005: 160-175
- Paolo Atzeni: Tutorial on Schema and Data Translation. ER (Workshops) LNCS 3770, Springer 2005: 468-469
- Paolo Atzeni, Paolo Cappellari, Philip A. Bernstein: ModelGen: Model Independent Schema Translation. ICDE 2005: 1111-1112
- Paolo Atzeni, Paolo Cappellari, Philip A. Bernstein: Model Independent Schema and Data Translation (Extended abstract). SEBD 2005: 177-183
- Paolo Atzeni, Wesley W. Chu, Hongjun Lu, Shuigeng Zhou, Tok Wang Ling: Conceptual Modeling - ER 2004, 23rd International Conference on Conceptual Modeling, Shanghai, China, Lecture Notes in Computer Science 3288 Springer 2004.
- Paolo Atzeni, Pierluigi Del Nostro: T-Araneus: Management of Temporal Data-Intensive Web Sites. EDBT 2004: 862-864
- Riccardo Torlone, Paolo Atzeni: Report on the 7th EDBT Summer School: XML and Databases. SIGMOD Record 33(4): 93-96 (2004)
- Paolo Atzeni, Pierluigi Del Nostro: Towards the Managment of Time in Data-Intensive Web Sites. Conceptual Modeling for Advanced Application Domains, ER 2004 Workshops CoMoGIS, COMWIM, ECDM, CoMoA, DGOV, and ECOMO, Lecture Notes in Computer Science 3289 Springer 2004: 390-401
- Paolo Atzeni, Roberto Basili, Dorte Haltrup Hansen, Paolo Missier, Patrizia Paggio, Maria Teresa Pazienza, Fabio Massimo Zanzotto, Ontology-Based Question Answering in a Federation of University Sites: The MOSES Case Study, Lecture Notes in Computer Science, Volume 3136, Jul 2004, Pages 413 - 420
- Paolo Atzeni Basi di dati In Enciclopedia del Novecento, Supplemento III, volume A-G, pagine 65-69, Istituto della Enciclopedia Italiana, 2004.
- Paolo Merialdo, Paolo Atzeni, Giansalvatore Mecca: Design and development of data-intensive web sites: The Araneus approach. ACM Trans. Internet Techn. 3(1): 49-92 (2003)
- Riccardo Torlone, Paolo Atzeni: Chameleon: an Extensible and Customizable Tool for Web Data Translation. VLDB 2003: 1085-1088.