

Prof. Gianpaolo Cugola

Biographic data and Education

Gianpaolo Cugola was born on July 15, 1970, in Catania (Italy). He lives in Milan (Italy).

He received his Laurea degree "cum laude" in Electronic Engineering from Politecnico di Milano in July 1994, presenting a thesis titled "Un approccio logico alla gestione delle inconsistenze nel processo di sviluppo del software" ("A logical approach in managing inconsistencies in software processes").

In November 1997 he obtained his Ph.D degree "cum laude" in Information and Automation Engineering from the Department of Electronic and Information of Politecnico di Milano presenting a thesis titled "Inconsistencies and Deviations in Process Support Systems".

Awards

In June 2022 his paper "Analysis of Market Data with Noir" won the Performance Award at the 2022 DEBS Grand Challenge.

In May 2014 his paper "Learning From the Past: Automated Rule Generation for Complex Event Processing" was awarded as "Best paper" from the IEEE International Conference DEBS 2014.

In July 2011 his paper "High performance content-based matching using GPUs" was "best paper nominee" at the IEEE International Conference DEBS 2011.

In May 2007 his paper "The JEDI event based infrastructure and its application to the development of the OPSS WFMS" was awarded as "Most cited Software Engineering paper in 2001" from the Information and Software Technology Journal.

In August 1998 he received the 1998 Prize for Engineering and Technology from the Dimitri N. Chorafas Foundation for his Ph.D. thesis.

Positions held

From August 2014 he is Full Professor at Politecnico di Milano, SSD: Ing-Inf/05.

From December 2002 to July 2014 he was Associate Professor at Politecnico di Milano, SSD: Ing-Inf/05.

From March 2001 to November 2002 he was Assistant Professor at Politecnico di Milano, SSD: Ing-Inf/05.

From 1997 to 2006 he was visiting assistant professor at the University of Italian

Swiss in Lugano.

University services

Since 2023 he is Vice-Rector for Digital Infrastructures and Services at Politecnico di Milano.

Since 2020 he is a member of the Board of the Alta Scuola Politecnica (ASP).

Since 2012 he is a member of the Energy Commission of Politecnico di Milano.

From 2015 to 2021 he coordinated the Study Programme in Computer Science and Engineering of Politecnico di Milano.

Research interests

His research interests are in the area of Software Engineering and Distributed Systems. In particular, his current research focuses on middleware technology for largely distributed, pervasive, and reconfigurable distributed applications, with a special attention to the issue of Complex Event Processing and Big Data Processing.

Publication record

He is co-author of several books, book chapters, and scientific papers published in international journals and conference proceedings. His current H-Index is 37 (source: Google Scholar, January 2025).

Research project experience

Gianpaolo Cugola has been involved, as a task leader or local responsible, in several projects financed by the EU commission (EIT 3cixty, IDEAS-ERC-227977 SMSCom, EIT Car&TheInternet, IST-034963 WASP, IST-511556 POMPEI, IST-11400 MOTION, ESPRIT-34840 PIE, ESSI-21244 MIDAS), by Microsoft Research ("Network Aware Programming" and "Virtual Campus"), and by the Italian governor (PNRR NEST-PE2, PRIN GAUSS, PRIN D-ASAP, FIRB Insyeme, CNR IS_MANET, RL GreenMove).

Community involvement

Gianpaolo Cugola was Poster&Demo Chair of the Middleware 2016 Conference. He was also Program Chair of the International Workshop on Dynamic Distributed Systems (part of the ICDCS 2006 international conference) and of the International Workshop on Peer-to-Peer Computing (part of the "Networking 2002" international conference) and was "publicity chair" for the 22nd International Conference on Software Engineering.

From 2002 to 2005 was "information director" of the ACM Special Interest Group on Software Engineering (SigSoft).

In his career, he was member of the Program Committee of several conferences and workshops in the area of Software Engineering and Distributed Systems, including ESEC/FSE 2001, MTS 2002, DMC 2003, CSSE 2004, FASE 2005, DiSD 2005, DILSOS 2006, MCEM 2009, EM4SOC 2010, MW4SOC 2007-2010, COMSWARE 2009-2011, PE-WASUN 2004-2007, ruSMART 2010-2011, SESENA 2012, DEBS 2022-2024, DADS 2019-2024, ICDCS 2025.

He was peer reviewer for several Journals in the area of Software Engineering and Distributed Systems.