

CURRICULUM VITAE (July 2025)

Family name: LEONARDI

First name: STEFANO

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CONTACTS:

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RESEARCH INTERESTS

Approximation and Online Algorithms, Algorithmic Game Theory and Mechanism Design, Economics and Computation.

PUBLICATION TRACK RECORD

Total number of publications (Source: DBLP): 180

Total number of citations (Source: Google Scholar): 9200

H-index (Source: Google Scholar): 50

Education and key qualifications

1996 **PhD in Computer Science and Engineering**, Sapienza University of Rome, Italy.

1991 **M.Sc. in Electrical Engineering and Computer Science**, Sapienza University of Rome, Italy.

Current position

2004- **Full Professor**
Department of Computer, Control, and Management Engineering “Antonio Ruberti”, Sapienza University of Rome, Italy

Previous positions

2024 – 2025	Visiting Scholar Courant Institute of Mathematical Sciences, New York University.
2018-2020	Visiting Scientist Facebook Research, Core Data Science, London, UK, part-time.
2016	Visiting Scientist and Program Co-organizer Algorithms & Uncertainty program at the Simons Institute for the Theory of Computing, UC Berkeley, August-December 2016
2013	Visiting Scientist Google Research, NY, USA (6 months)
2004	Visiting Scholar Carnegie Mellon University, Department of Computer Science, Pittsburgh, USA (6 months).
2001-2004	Associate Professor

	Department of Computer, Control, and Management Engineering “Antonio Ruberti”, Sapienza University of Rome, Italy
2000-2001	Assistant Professor Department of Computer, Control, and Management Engineering “Antonio Ruberti”, Sapienza University of Rome, Italy
1999-2000	Research Fellow Department of Computer, Control, and Management Engineering “Antonio Ruberti”, Sapienza University of Rome, Italy
1997-1998	Post-doctoral researcher “Algorithms and Complexity” group at the Max-Planck-Institut für Informatik, Saarbrücken
1996	Post-doctoral researcher Theory Group at the International Computer Science Institute (ICSI), Berkeley.
1994-1995	Visiting PhD student Tel-Aviv University, School of Computer Science, Israel (6 months)

RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

Peer recognition

Fellowships and Academy membership:

- 2018 - Fellow of the European Association for Theoretical Computer Science (EATCS).
- 2025 - Fellow of the Association for Computing Machinery (ACM).
- 2025 – Fellow of the Italian “Accademia Nazionale dei Lincei”

Awards:

- 2018 - 2024 ERC Advanced Research Grant “Algorithmic and Mechanism Design Research in Online Markets” (AMDROMA).
- 2022 Meta Researcher of the Month
- 2014 - 2017 Google Focused Award on Web Algorithms for Large-scale Data Analysis.
- 2013 - ACM Distinguished Service Award for the Organization of the Sixth ACM Conference on Web Search and Data Mining, Rome, February 2013.
- 2012 - Google Faculty Award on Economics and Market Algorithms.
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Appointments:

[2018-2023] Chair, Ph.D. Program in Data Science, Sapienza University of Rome.

[2015 - 2018] Chair, Master’s Degree in Data Science, Sapienza University of Rome.

[2016 - 2018] Chair of the Science and Technology Class at Sapienza School for Advanced Studies.

[2012 - 2018] Senior Research Fellow, Sapienza School for Advanced Studies.

Elected academy memberships:

- [2019 - 2022] Chair of the Steering committee of the International Conference on Highlights of Algorithms.
- [2019 - 2022] Member of the Steering committee of the International Colloquium on Automata, Languages and Programming (ICALP)
- [2010 - 2012] EATCS Presburger Award Committee for outstanding contribution given from a young researcher to Theoretical Computer Science, chair 2012, member since 2010.

Roles in significant projects:

- [2018 - 2024] ERC Advanced Research Grant “Algorithmic and Mechanism Design Research in Online Markets” (AMDROMA), PI.
- [2023-2025] MIUR PRIN Project “Learning in Markets and Society”, Leader of the Sapienza node.

- [2022-2025] PNRR - MIUR Project SoBigData.it: Strengthening the Italian Research Infrastructure for Social Mining and Big Data Analytics, leader of the Sapienza node.
- [2020 - 2024] EU Research Infrastructure SoBigData++, leader of the Sapienza node
- [2019 - 2022] MIUR PRIN Project “ALgorithms, GAMES, and DIGital MARKets” (ALGADIMAR), PI of the project
- [2014-2017] Google Focused Award, Web Algorithmics for Large-scale Data Analysis
- [2012] Google Research Award 2012 (Economics and Market Algorithms): Revenue Maximizing Auctions for Non-Identical Bidders
- [2012-2016] Foundational Research on MULTilevel comPLEX networks and systems (MULTIPLEX) , EU-FET-317532 Large scale Integrated Project
- [2010-2015] Associated partner to Piotr Sankowski's ERC Starting Grant 259515 Practical Approximation Algorithms (PAAI)

Other contributions to the research community

ORGANIZATION OF Scientific Events SINCE 2013

- [2022] General Chair, 54th ACM Symposium on Theory of Computing (STOC 2022), Rome, 2022.
- [2021] Local Organization Chair, 53rd ACM Symposium on Theory of Computing (STOC 2021), Online/Rome, 21 – 25 June 2021.
- [2019] Program Chair of the 46th International Colloquium on Automata, Languages and Programming – Track A (ICALP 2019), Patras, July 2019.
- [2018] Program Chair of the 9th International Conference on Fun with Algorithms (FUN 2018), La Maddalena Island, June 2018.
- [2017] Program Chair, Second Conference on Highlights of Algorithms (HALG 2017), Berlin, 2017.
- [2015] Conference General Co-Chair, 24th International World Wide Web Conference (WWW 2015), Florence, May 2015.
- [2013] Conference General Co-Chair, Sixth ACM Conference on Web Search and Data Mining (WSDM 2013), February 2013, Rome.

MEMBERSHIP OF EDITORIAL BOARDS AND EDITORIAL WORK

- [2022 -] Journal of Computer and System Sciences, Editorial board,
- [2008 - 2017] ACM Transactions on Algorithms, Editorial board.

SUPERVISION OF PHD STUDENTS SINCE 2010

- [2006 - 2010] Ilaria Bordino, co-supervised with Prof. Ricardo Baeza-Yates (UPF), Senior Researcher at Unicredit Research.
- [2009 -2013] Ida Mele, Researcher at Italian National Research Council.
- [2011 - 2015] Riccardo Colini-Baldeschi, Researcher at Meta Central Applied Science, London.
- [2012 - 2015] Marek Adamczyk, Professor at University of Wroclaw.
- [2013 - 2017] Adriano Fazzone, Researcher at CENTAI, Torino.
- [2017 - 2021] Michele Gentili, Machine learning methods for network and precision medicine, postdoc at Harvard University.
- [2018 - 2022] Federico Fusco, Online Learning and Submodular Optimization for Pricing Problems, Assistant Professor at Sapienza University of Rome.
- [2022 -] Matteo Russo, Learning and optimization in mechanism design
- [2023 -] Michal Pawlowski, co-supervised with Prof. Piotr Sankowski (Univ. of Warsaw and IDEAS NCBR) Online computation and pricing in markets.

SUPERVISION OF POST-DOCTORAL RESEARCHERS SINCE 2010 [with current position]

- [2006 - 2008, 2009 - 2010] Piotr Sankowski, ERC starting grant award 2010 and ERC consolidated grant 2017, Professor at University of Warsaw.

- [2008 - 2010] Aris Anagnostopoulos, Professor at Sapienza University of Rome.
- [2012 - 2013] Erik Jan van Leeuwen, Professor at University of Utrecht.
- [2012 - 2013] Łukasz Jeż, Professor at University of Wrocław.
- [2013 - 2014] Diodato Ferraioli, Professor at University of Salerno.
- [2014 - 2016] Bart de Keijzer, Professor at King's College, London.
- [2015 - 2016] Jakub Łacki, Research Scientist at Google Research, NY.
- [2017 - 2020] Chris Schiewiegelshohn, Professor at Aarhus University.
- [2019 - 2020] Giorgios Amanatidis, Professor at University of Essex.
- [2019 - 2022] Rebecca Reiffenhäuser, Professor at University of Amstertsdam
- [2019 - 2022] Philip Lazos, Senior Researcher at IO Global
- [2020 - 2023] George Birmpas, Professor at University of Liverpool
- [2022 - 2023] Federico Fusco, Professor at University of Rome.
- [2021 - 2023] Tomer Ezra, Postdoc at University of Harvard.
- [2024 -] Johannes Brustle, PhD at London School of Economics.
- [2024 -] Simone Fioravanti, PhD at GSSI, L'Aquila.

MAJOR COLLABORATIONS

- Anupam Gupta, Computer Science Department, New York University, USA.
- Nicolò Cesa-Bianchi, University of Milano.
- Andrea Celli, Università Bocconi, Milano.
- Amos Fiat, Michal Feldman, Yossi Azar, Tel-Aviv University, Israel.
- Piotr Sankowski, University of Warsaw, Poland and NCBR IDEAS Research.
- Silvio Lattanzi, Paul Duetting, Renato Paes-Leme, Google Research.
- Riccardo Colini Baldeschi, Nicolas Stier-Moses, Meta Central Applied Science.
- Tim Roughgarden, Department of Computer Science, Columbia University, USA.
- Paul Goldberg and Elias Koutsoupias, University of Oxford, UK.
- Fabrizio Grandoni, IDSIA Lugano, Switzerland.