

Nicolò Antonio Cesa-Bianchi

Nationality: Italian

RESEARCH INTERESTS

- Design and analysis of machine learning algorithms.
- Sequential decision-making.
- Graph mining.

PUBLICATION TRACK RECORD

- Total number of publications (Source: DBLP) : 100+ conference and workshop papers and 50 journal papers
- Total number of citations (Source: Google Scholar) : 30000+
- H-index (Source: Google Scholar) : 55

EDUCATION

[1993] PhD in Computer Science, University of Milan, Italy.

[1988] MSc in Computer Science, University of Milan, Italy.

CURRENT POSITION

[2002 -] Full Professor of Computer Science, Dipartimento di Informatica, Università degli Studi di Milano, Italy

[2022 -] Joint appointment at Dipartimento di Elettronica, Informatica e Bioingegneria, Politecnico di Milano, Italy

APPOINTMENTS

[2023 -] Spoke 4 co-coordinator for the FAIR (Future Artificial Intelligence Research) project, funded by the NextGenerationEU program within the PNRR-PE-AI scheme

[2022 -] Member of the ELLIS board

[2022 -] Member of the evaluation panel for the Department of Computer Science, ETH, Zurigo.

[2021 -] Co-founder and co-director of the Milan ELLIS unit

[2021] Member of the evaluation panel for the Schmidt Science Fellows

[2020 -] Chair of the Scientific Advisory Board of the Finnish Center for Artificial Intelligence (FCAI) and the Helsinki Institute for Information Technology (HIIT).

[2019 -] ELLIS Fellow

[2019] Member of the consulting group of the Italian Ministry of Education, University, and Research (MIUR) for Artificial Intelligence, Cybersecurity, and Robotics.

[2019 -] Member of the steering committee of the Italian National Council of Research (CNR) for the national PhD program in Artificial Intelligence.

[2018 -] Member of the steering committee of the CINI Italian Laboratory for Artificial Intelligence and Intelligent Systems.

[2018] Chair of the evaluation panel for the INRIA theme "Optimization, machine learning and statistical methods".

[2013 - 2016] Head of the School of Computer Science, University of Milan, Italy.

[2009 - 2015] Panel member for the IDEAS programme (Advanced Grants) of the European Research Council.

[2006 - 2009] President of the Association for Computational Learning.

[2016 - 2019] Member of the steering committee for the Conference on Algorithmic Learning Theory.

[2000 - 2003, 2014 - 2016] Member of the steering committee for the Conference on Computational Learning Theory.

[1997 - 2000] Member of the steering committee for the European Conference on Computational Learning Theory.

PROGRAM CHAIR OF INTERNATIONAL CONFERENCES

[2018] Co-chair of the 32nd Annual Conference on Neural Information Processing Systems (NeurIPS), 3-8.12.2018, Montréal, Canada.

[2002] Co-chair of the 13th International Conference on Algorithmic Learning Theory (ALT), 24-26.11.2002, Lubeck, Germany, and co-editor of the special issue. Theoretical Computer Science, 350(1). Elsevier, 2006.

[2000] Program co-chair of the 13th Annual Conference on Computational Learning Theory (COLT), 28.6-1.7.2000, Stanford, USA

GRANTS AND AWARDS (SINCE 2010)

[2023 - 2025] MIUR PRIN Project "Learning in Markets and Society", PI

[2023 - 2027] European Lighthouse of AI for Sustainability (CL4-2022-HUMAN-02), EU Horizon RIA, European Commission. Local PI

[2022 - 2025] European Lighthouse on Secure and Safe AI (CL4-2021-HUMAN-01), EU Horizon RIA, European Commission. Local PI

[2020 - 2024] European Learning and Intelligent Systems Excellence (ICT-48-951847), EU Horizon 2020 RIA, European Commission. Local PI

[2021] IBM Academic Award

[2019 - 2022] MIUR PRIN Project "ALgorithms, GAMES, and Digital MARKets" (ALGADIMAR), Local PI

[2018 - 2021] Google Faculty Award

[2017] Criteo Faculty Award

[2011 - 2014] Xerox University Affairs Committee Award

[2010] Google Research Award

ORGANIZATION OF INTERNATIONAL EVENTS (SINCE 2010)

[2017] Co-organizer of the NIPS workshop on "Prioritising Online Content", 9.12.2017, Lake Tahoe, Nevada.

[2012] Co-organizer of the NIPS workshop on "Multi-Trade-offs in Machine Learning", 7.12.2012, Lake Tahoe, Nevada.

[2011] Co-organizer of the NIPS workshop on "New Frontiers in Model Order Selection", 16.12.2011, Sierra Nevada, Spain.

MEMBERSHIP OF EDITORIAL BOARDS

[2022 -] Associate editor for TheoretiCS Journal

[2012 - 2023] Associate editor for Information and Inference

[2011 - 2014] Associate editor for IEEE Transactions on Information Theory

[2009 - 2013] Action editor for Journal of Machine Learning Research

[2005 - 2011] Action editor for Machine Learning journal.

[2001 - 2005] Associate editor for Machine Learning journal.

SUPERVISION OF POSTDOC STUDENTS

[2022-] Juliette Achdou

[2021-2023] Andrea Paudice

[2021-2022] Dirk van Der Hoeven

[2021-2022] Tom Cesari

[2021-2022] Marco Bressan

[2020-2023] Pierre Laforgue

[2018-2019] Ilja Kuzborskij

[2012-2014] Luigi Malagò

[2012] Giovanni Zappella

[2012] Fabio Vitale

[2010-2011] Francesco Orabona

SUPERVISION OF PHD STUDENTS

[2022 -] Hao Qiu (supervisor)

[2021 -] Lukas Zierahn (supervisor)

[2021 -] Khaled Eldowa (supervisor)

[2021 -] Emmanuel Esposito (supervisor)

[2020 -] Roberto Colomboni (supervisor)

[2020 -] Giulia Clerici (supervisor)

[2018 - 2021] Andrea Paudice (supervisor, "Design and Analysis of Algorithms for Clustering and Multi-Task Learning")

[2017 - 2020] Nicolò Campolongo (supervisor, "Adaptive Online Learning")
[2017 - 2020] Leonardo Cella (supervisor, "Efficiency and Realism in Stochastic Bandits")
[2016 - 2019] Tommaso Renato Cesari (supervisor, "Algorithms, Learning, and Optimization")
[2011 - 2014] Giovanni Zappella (supervisor, "Learning on Graphs: Algorithms for Classification and Sequential Decisions")
[2011 - 2014] Rocco De Rosa (co-supervisor, "Confidence-based and Nonparametric Classification: Applications to Credal Classification, Online and Active Learning")
[2008 - 2011] Fabio Vitale (supervisor, "Fast Learning on Graphs")
[2006 - 2009] Giovanni Cavallanti (supervisor, "On Variants of Online Linear-Threshold Algorithms for Classification")
[2004 - 2007] Luca Zaniboni (co-supervisor, "Sparse Online Learning Algorithms and Hierarchical Classification of Textual Documents")
[2001 - 2004] Alex Conconi (supervisor, "Margin-based Online Algorithms for Text Classification")

Milano, 9 August 2023