PERSONAL INFORMATION

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CURRENT POSITION

2024– Full Professor in Computer Science
Department of Civil, Computer Science and Aeronautical Technologies Engineering, Roma Tre University
Member of the Artificial Intelligence Research Group
Since November 1, 2024

PREVIOUS POSITIONS

2022–2024 Associate Professor
Department of Civil, Computer Science and Aeronautical Technologies Engineering, Roma Tre University
From February 1, 2022 to November 1, 2024

2019–2022 Assistant Professor (on tenure track)
Department of Engineering, Roma Tre University
From February 1, 2019 to January 31, 2022

2011–2016 Non-tenure-track Assistant Professor
Department of Engineering, Roma Tre University
From February 1, 2011 to January 31, 2016

EDUCATION

2005 PhD in Computer Science and Automation
Department of Computer Science and Automation,
Faculty of Engineering - Roma Tre University
Thesis title: "Adaptive Web Search: User Modeling based on Associative Memory and Multi-Agent Focused Crawling"
Doctoral period carried out at the Artificial Intelligence Laboratory of Roma Tre University and the User Interface Research Lab at the Palo Alto Research Center (PARC), USA.
The PhD period ran from January 2002 to December 2004. Degree awarded on June 21, 2005.

2001 Master's-level Degree in Computer Engineering
Faculty of Engineering - Roma Tre University
Thesis title: "Intelligent Agents for Information Retrieval on the World Wide Web'
Thesis carried out at the Artificial Intelligence Laboratory of Roma Tre University.
Degree awarded on September 28, 2001.

RESEARCH CONTRACTS

Research Grants

2016–2019 Research Fellow
Department of Engineering, Roma Tre University
From June 1, 2016 to January 31, 2019
Research program: "Focused information retrieval in the domain of social networks."

2010–2011 Research Fellow
Faculty of Engineering, Roma Tre University
From June 1, 2010 to January 31, 2011
Research program: "Methods and techniques for the automatic retrieval of information in collaborative and distributed environments."

2008–2010 Research Fellow
Faculty of Engineering, Roma Tre University
From February 1, 2008 to January 31, 2010
Research activities focused on developing methods and techniques for user profile–based query expansion and information filtering.

2006–2008 Research Fellow
Faculty of Engineering, Roma Tre University
From February 1, 2006 to January 31, 2008
Research activities focused on developing methods and techniques for context-aware recommender systems.

Other types of research contracts

2010 Scientific research assignment awarded by Roma Tre University – Department of Computer Science and Automation entitled "Design of a case-based system for semantic extraction of content from hypertext sources," within the FAR project "KEEN – Knowledge-based Extended ENterprise" funded by the Italian Ministry of Education, University and Research (MIUR).
From February 1, 2010 to July 31, 2010

2008 Scientific research assignment awarded by the CRMPA Consortium (Research Center in Pure and Applied Mathematics – University of Salerno) related to Work Package 4.2 of the project "NewGenLearn – Advanced Services and Applications for Next-Generation e-Learning," funded by POR Campania 2000–2006.
From July 1, 2008 to December 31, 2008

2008 Professional assignment awarded by the CRMPA Consortium (Research Center in Pure and Applied Mathematics) within Objective OR 2 (Study of intelligent services and contents) RI 2.3 (Definition of models for describing content adaptation rules): "Study of an intelligent system for the visually impaired for multimedia self-service payment assistance," under the SAPI Project (Automatic System for the Visually Impaired), funded through competitive calls.
From March 19, 2008 to June 30, 2008

2004 Scientific research assignment on the project "Theory and design of adaptable human information interaction systems for intelligence work," part of the R& D program "Novel Intelligence from Massive Data (NIMD)," with the role of graduate intern. Assignment awarded by the Palo Alto Research Center (PARC – formerly Xerox PARC), Palo Alto, CA, USA. Supervisors: Ed H. Chi and Peter Pirolli.
From May 24, 2004 to December 17, 2004

2002-2003 Scientific research assignment awarded by the CRMPA Consortium (Research Center in Pure and Applied Mathematics – University of Salerno) within the "Diogene" project funded by the European FP5-IST program (contract IST-2001-33358).
From April 2, 2002 to December 31, 2003

2001-2002 Scientific research assignment awarded by the CRMPA Consortium (Research Center in Pure and Applied Mathematics – University of Salerno) within the project "M-LEARNING – Mobile Communications Technologies for Young Adults Learning and Skills Development," funded by European FP5-IST (contract IST-2000-25270).
From December 3, 2001 to March 31, 2002

RESEARCH GROUP COORDINATION

2026- Head of the Artificial Intelligence Research Group, Department of Civil, Computer and Aerospace Technologies Engineering – Roma Tre University. URL: https://ailabroma3.it/, from November 1, 2026

2023–2026 Coordinator of research group WG1 "Machine Aided Design," within the Flagship Project FP6 "Artificial intelligence, virtual reality and digital twin for advanced engineering and aerospace," Spoke 1 "Applied research, technology development and innovation.",
Project: "Rome Technopole – Innovation Ecosystem," funded under Italy's PNRR (Mission 4 – Component 2 – Investment 1.5) (Decree no. 3277 of December 30, 2021).
Project start date: July 1, 2022; expected end: June 30, 2025 (deadline extended on December 2, 2025)
Coordination activities started on May 18, 2023.
The research group involves the following three units: Thales Alenia Space Italia, Roma Tre University, University of Rome Tor Vergata.

PARTICIPATION IN NATIONAL AND INTERNATIONAL RESEARCH GROUPS

2022 Participation in the Ubiquitous Interaction Research Group, Department of Computer Science, University of Helsinki, Finland, directed by Prof. Giulio Jacucci.
The visit took place from September 8, 2022 to December 9, 2022

2017 Participation in the Social Dynamics Group at Nokia Bell Labs (formerly Bell Labs), Cambridge, U.K., directed by Dr. Daniele Quercia.
The visit took place at the Cambridge site, from July 26, 2017 to October 26, 2017

2010 Participation in the "Extended and Virtual Enterprise" research group comprising: the Artificial Intelligence group at Roma Tre University, the Artificial Intelligence group at the University of Rome Tor Vergata, Italdata SpA, Siemens Informatica SpA. The activity falls within the MIUR FAR research project: "KEEN – Knowledge-based Extended ENterprise" 4418/ICT.
The participation extended from February 1, 2010 to July 31, 2010.

2006- Participation in activities of the Artificial Intelligence group of the Department of Civil, Computer and Aerospace Technologies Engineering, Roma Tre University.
The participation led to the development of innovative methods and techniques in the fields of Intelligent Tutoring Systems, User Modeling and User-Adapted Interaction, and the Adaptive Web (see descriptions in "Research Activities").

2004 Participation in the User Interface Research Group at the Palo Alto Research Center (PARC, formerly Xerox PARC), Palo Alto, CA, USA, directed by Stuart Card.
The visit took place at the Palo Alto site, from May 24, 2004 to December 17, 2004.

PARTICIPATION IN RESEARCH PROJECTS

2026- "COST Action CA25153: HARPA" - Human-centered Approaches to Responsible Privacy for and with AI. Working Group Member WG1 - "Empowering Users: Usable AI for Informed and Autonomous Privacy Decision-Making". Since November, 2026 https://www.cost.eu/actions/CA25153/

2025-2026 "COST Action CA21121: MecaNano" - European Network for the Mechanics of Matter at the Nano-Scale. Working Group Member – WG4: Machine Learning. Since July 25, 2025 https://www.cost.eu/actions/CA21121/

2024 "Democratic Engagement through a Public Chatbot (DepuChat)" – selected in the "AI in support of parliamentary work" Call for Ideas proposed by the Oversight Committee on the Documentation Activity of the Chamber of Deputies, February 2024. https://comunicazione.camera.it/archivio-prima-pagina/19-41970

2023-2026 "Rome Technopole – Innovation Ecosystem," funded under Italy's PNRR (Mission 4 – Component 2 – Investment 1.5) (Decree no. 3277 of December 30, 2021). Member of research group WG1 "Machine Aided Design" within the Flagship Project FP6 "Artificial intelligence, virtual reality and digital twin for advanced engineering and aerospace," Spoke 1 "Applied research, technology development and innovation."
Since May 18, 2023.

2010 "KEEN – Knowledge-based Extended ENterprise," funded by FAR (MIUR). "Design of a case-based system for semantic extraction of content from hypertext sources."
From February 1, 2010 to July 31, 2010

2008 "NewGenLearn – Advanced Services and Applications for Next-Generation e-Learning," funded by POR Campania 2000–2006.
From July 1, 2008 to December 31, 2008

2008 "SAPI Project" – Automatic System for the Visually Impaired, funded through competitive calls.
From March 19, 2008 to June 30, 2008

2004 "Theory and design of adaptable human information interaction systems for intelligence work," part of the R& D program "Novel Intelligence from Massive Data (NIMD)," USA.

From May 24, 2004 to December 17, 2004

2002-2003 "Diogene," funded by the European FP5-IST program (contract IST-2001-33358). From April 2, 2002 to December 31, 2003

2001-2002 "M-LEARNING – Mobile Communications Technologies for Young Adults Learning and Skills Development," funded by the European FP5-IST program (contract IST-2000-25270). From December 3, 2001 to March 31, 2002

TEACHING ACTIVITIES

Undergraduate and Graduate Courses

2026–2027 Course assignment: "Deep Learning and Generative Models" (9 ECTS), BSc in Computer Engineering, Roma Tre University. A.Y. 2026–2027.

2026–2027 Course assignment: "Advanced Machine Learning'' (40 hours), MSc in Computer Engineering, Roma Tre University. A.Y. 2026–2027

2026–2027 Course assignment: "Deep Learning'' (6 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2026–2027.

2025–2026 Course assignment: "Deep Learning'' (6 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2025–2026.

2024–2025 Course assignment: "Deep Learning'' (6 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2024–2025.

2024–2025 Course assignment: "Machine Learning'' (40 hours), MSc in Computer Engineering, Roma Tre University. A.Y. 2024–2025.

2024–2025 Course assignment: "Elements of Computer Science and Linear Algebra'' (9 ECTS), BSc in Mechanical Engineering, Curriculum Technologies for the Sea, Roma Tre University. A.Y. 2024–2025.

2023–2024 Course assignment: "Deep Learning'' (6 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2023–2024.

2023–2024 Course assignment: "Machine Learning'' (40 hours), MSc in Computer Engineering, Roma Tre University. A.Y. 2023–2024.

2023–2024 Course assignment: "Elements of Computer Science and Linear Algebra'' (9 ECTS), BSc in Mechanical Engineering, Curriculum Technologies for the Sea, Roma Tre University. A.Y. 2023–2024.

2022–2023 Course assignment: "Deep Learning'' (6 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2022–2023.

2022–2023 Course assignment: "Elements of Computer Science and Linear Algebra'' (9 ECTS), BSc in Marine Engineering, Roma Tre University. A.Y. 2022–2023.

2022 Teaching assignment at the University of Helsinki (Finland) for course CSM13405 "Project in Human-Computer Interaction,'' part of the Master's degree program in Computer Science.

2021–2022 Course assignment: "Machine Learning'' (9 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2021–2022.

2021–2022 Course assignment: "Elements of Computer Science and Linear Algebra'' (9 ECTS), BSc in Marine Engineering, Roma Tre University. A.Y. 2021–2022.

2020–2021 Course assignment: "Elements of Computer Science and Linear Algebra'' (9 ECTS), BSc in Marine Engineering, Roma Tre University. A.Y. 2020–2021.

2019–2020 Course assignment: "Elements of Computer Science and Linear Algebra'' section A–K (9 ECTS), BSc in Marine Engineering, Roma Tre University. A.Y. 2019–2020.

2019–2020 Course assignment: "Elements of Computer Science and Linear Algebra'' section L–Z (9 ECTS), BSc in Marine Engineering, Roma Tre University. A.Y. 2019–2020.

2018–2019 Course assignment: "Elements of Computer Science and Linear Algebra'' (9 ECTS), BSc in Marine Engineering, Roma Tre University. A.Y. 2018–2019.

2017–2018 Teaching support assignment for the course "Machine Learning'' (part of 6 ECTS), MSc in Computer Engineering, Roma Tre University. A.Y. 2017–2018.

2014–2015 Teaching assignment: "Foundations of Computer Science (LII)'' (6 ECTS), BSc in Computer Engineering, Roma Tre University. A.Y. 2014–2015.

2013–2014 Teaching assignment: "Foundations of Computer Science'' (6 ECTS), BSc in Computer Engineering, Roma Tre University. A.Y. 2013–2014.

2010–2011 Teaching assignment: "Foundations of Computer Science (Module I)'' (6 ECTS), BSc in Computer Engineering, Roma Tre University. A.Y. 2010–2011.

2009–2010 Course "Foundations of Computer Science'' (10 hours), BSc in Electronic Engineering, Roma Tre University. A.Y. 2009–2010.

PhD Courses

2021 Teaching assignment for a module within the "PhD Program in Computer Science and Automation,'' accredited by the Ministry and activated by the Department of Engineering, Roma Tre University. The 3-ECTS module titled "Machine Learning: Advanced techniques for Practical Applications'' was formally approved by the PhD Board and delivered in July 2021.

2017 Teaching assignment for a module within the "PhD Program in Computer Science and Automation,'' accredited by the Ministry and activated by the Department of Engineering, Roma Tre University. The 3-ECTS module titled "Machine Learning for Web Personalization'' was formally approved by the PhD Board on June 27, 2017, and delivered in November 2017.

Master Programs

2024-2025 First-level Master "Cybersecurity, legislation, and security management", course on "Introduction to artificial intelligence" in collaboration with the Department of Public Security of the Ministry of the Interior and with the participation of expert officers from the Guardia di Finanza (4 hours). Università Roma Tre. A.A. 2024/2025.

2024-2025 First-level Master "The Digital State," "Artificial Intelligence and Machine Learning" – course "Artificial Intelligence'/LLM" (6 hours). Roma Tre University. A.Y. 2024/2025.

2024-2025 Second-level Master "The Digital State," "Artificial Intelligence and Machine Learning" – course "Artificial Intelligence'/LLM" (6 hours). Roma Tre University. A.Y. 2024/2025.

2023-2024 First-level Master "Specialist Operator in Information and Communication Technologies (ICT)" – course "Artificial Intelligence" (27 hours), from February 5 to April 30, 2024. A.Y. 2023/2024.

2023-2022 Second-level Master "The Digital State," – "Artificial Intelligence and Machine Learning" (6 hours) as part of Teaching Module I: "The toolbox: an introduction to basic IT methodologies and technologies." Roma Tre University. A.Y. 2023/2022.

2022-2023 Second-level Master "The Digital State," – "Artificial Intelligence and Machine Learning" (6 hours) as part of Teaching Module I: "The toolbox: an introduction to basic IT methodologies and technologies." Roma Tre University. A.Y. 2022/2023.

2021-2022 Second-level Master "The Digital State," – "Artificial Intelligence and Machine Learning" (6 hours) as part of Teaching Module I: "The toolbox: an introduction to basic IT methodologies and technologies." Roma Tre University. A.Y. 2021/2022.

2006 "Chief Knowledge Officer – CKO" Master within the "KEEN-training" project – module "Information Filtering and User Modeling" (48 hours), delivered at Italdata SpA, from July 20, 2006 to September 15, 2006.

Participation in "Doctoral Consortium" Committees

2024 23rd International Conference of the Italian Association for Artificial Intelligence – AIxIA 2024. Bolzano. November 25–28, 2024.

2018 UMAP '18: 26th Conference on User Modeling, Adaptation and Personalization – ACM UMAP 2018. Singapore. July 8–11, 2018.

2017 UMAP '17: 25th Conference on User Modeling, Adaptation and Personalization – ACM UMAP 2017. Bratislava, Slovakia. July 9–12, 2017.

2016 UMAP '16: User Modeling, Adaptation and Personalization Conference – ACM UMAP 2016. Halifax, Canada. July 13–17, 2016.

2014 22nd Conference on User Modeling, Adaptation and Personalization – ACM UMAP 2014. Aalborg, Denmark. July 7–11, 2014.

2013 21st Conference on User Modeling, Adaptation and Personalization – UMAP 2013. Rome, Italy. June 10–14, 2013.

Other Activities

2025 Invited talk at the "2nd MecaNano Workshop on Machine Learning for Micro- and Nano-Mechanics," European Cooperation in Science and Technology (COST) Action 2022–2026. Tutorial title "AI methods for material science." Budapest, Hungary. September 4–5, 2025.

2024-2025 Training activities for the PRIN 2022 funded project "Hegelian constellations of the feminine: a hyper-archive for an inclusive Bildung" (from October 17, 2023 to October 16, 2025). Series of lectures on "Introduction to Machine and Deep Learning," delivered between October 2024 and February 2025, Rome, Italy.

2024 Member of the selection committee for the call "Samsung Innovation Campus 2024 – New Constellations of the Feminine" (Prot. 1920 of 22/08/2024). Appointment by the Director of the Department of Philosophy, Communication and Performing Arts, September 13, 2024, Roma Tre University.

2024 Invited lecture at the 22nd AIMAT School "Material Intelligence: from Smart Materials to Artificial Intelligence," titled "Introduction to Machine Learning and Data Science." Ischia, Naples. July 14–17, 2024.

PARTICIPATION IN PHD BOARDS OF ACCREDITED DOCTORAL PROGRAMS

2026-2027 Member of the PhD Board in "Computer Science and Automation," 42nd cycle – Department of Civil, Computer and Aerospace Technologies Engineering, Roma Tre University.

2025-2026 Member of the Evaluation Board for the Public Selection for Admission to the 41st Cycle of the PhD Programme in Computer Science and Automation - Department of Engineering, Roma Tre University

2025-2026 Member of the PhD Board in "Computer Science and Automation," 41st cycle – Department of Civil, Computer and Aerospace Technologies Engineering, Roma Tre University.

2024-2025 Member of the PhD Board in "Computer Science and Automation," 40th cycle – Department of Civil, Computer and Aerospace Technologies Engineering, Roma Tre University.

2023-2024 Deputy Coordinator and Member of the PhD Board in "Computer Science and Automation," 39th cycle – Department of Civil, Computer and Aerospace Technologies Engineering, Roma Tre University.

2022-2023 Deputy Coordinator and Member of the PhD Board in "Computer Science and Automation," 38th cycle – Department of Engineering, Roma Tre University.

2021-2022 Member of the Evaluation Board for the Public Selection for Admission to the 37th Cycle of the PhD Programme in Computer Science and Automation - Department of Engineering, Roma Tre University

2021-2022 Deputy Coordinator and Member of the PhD Board in "Computer Science and Automation," 37th cycle – Department of Engineering, Roma Tre University (since November 16, 2021).

2020-2021 Member of the PhD Board in "Computer Science and Automation," 36th cycle – Department of Engineering, Roma Tre University (since May 27, 2020).

ORGANIZATION OF INTERNATIONAL CONFERENCES AND WORKSHOPS

2025 Co-General Chair of the 5th Workshop on SOcial and Cultural IntegrAtion with PersonaLIZEd Interfaces (SOCIALIZE), held in conjunction with ACM Intelligent User Interfaces (IUI), Cagliari, Italy, March 24-27, 2025.

2024 Co-General Chair of the 4th Workshop on SOcial and Cultural IntegrAtion with PersonaLIZEd Interfaces (SOCIALIZE), held in conjunction with ACM Intelligent User Interfaces (IUI), Greenville, South Carolina, USA, March 18–21, 2024.

2023 Co-General Chair of the 3rd Workshop on SOcial and Cultural IntegrAtion with PersonaLIZEd Interfaces (SOCIALIZE), held in conjunction with ACM Intelligent User Interfaces (IUI), Sydney, NSW, Australia, March 27–31, 2023.

2022 Co-General Chair of the 2nd Workshop on SOcial and Cultural IntegrAtion with PersonaLIZEd Interfaces (SOCIALIZE), held in conjunction with ACM Intelligent User Interfaces (IUI), University of Helsinki, Finland, March 22–25, 2022.

2021 Co-General Chair of the 1st Workshop on SOcial and Cultural IntegrAtion with PersonaLIZEd Interfaces (SOCIALIZE), held in conjunction with ACM Intelligent User Interfaces (IUI), College Station (TX), USA, April 13, 2021.

2013 Member of the Organizing Committee as Local Organizer for the 21st Conference on User Modeling, Adaptation and Personalization (UMAP), Rome, Italy, June 10–14, 2013.

PROGRAM COMMITTEE SERVICE

The following is a selection of the last five years conferences and workshops.

2026 24th International Conference of the Italian Association for Artificial Intelligence - AIxIA 2026. Perugia, Italy. October 6-9, 2026.

2026 35th ACM International Conference on Information and Knowledge Management - CIKM. Coex, Seoul, Korea, November 7-11, 2026.

2026 20th ACM Conference on Recommender Systems - ACM RECSYS. Minneapolis, Minnesota, USA, September 28–October 2 2026, 2026.

2026 34th ACM Conference on User Modeling, Adaptation and Personalization. Cagliari - ACM UMAP. Gothenburg, Sweden, June 8 — 11, 2026.

2026 The ACM Web Conference 2026. Dubai, United Arab Emirates, April 13-17, 2026.

2025 34th ACM International Conference on Information and Knowledge Management - CIKM. Coex, Seoul, Korea, November 10-14, 2025.

2025 19th ACM Conference on Recommender Systems - ACM RECSYS. Prague, Czech Republic, September 22-26, 2025.

2025 33rd ACM Conference on User Modeling, Adaptation and Personalization - ACM UMAP, New York, USA, June 16-19 July, 2025

2024 23rd International Conference of the Italian Association for Artificial Intelligence - AIxIA 2024. Bolzano. November 25-28, 2024.

2024 33rd ACM International Conference on Information and Knowledge Management - CIKM. Boise, Idaho, USA, October 21-25, 2024.

2024 18th ACM Conference on Recommender Systems - ACM RECSYS. Bari, Italy, October 14-18, 2024.

2024 32nd ACM Conference on User Modeling, Adaptation and Personalization - ACM UMAP. Cagliari, Sardinia, Italy, 1-4 July, 2024

2023 17th ACM Conference on Recommender Systems - ACM RECSYS. Singapore, September 18-22, 2023.

2023 31st Conference on User Modeling, Adaptation and Personalization - ACM UMAP 2023. Limassol, Cyprus, June 26-30, 2023.

2022 AIxPA 1st Workshop on AI for Public Administration. Udine, Italy, November 28 - December 2, 2022.

2022 30th Conference on User Modeling, Adaptation and Personalization - ACM UMAP 2022. Barcelona, Spain, July 4-7, 2022.

2021 20th International Conference of the Italian Association for Artificial Intelligence AIxIA2021, Milano, Italy, December 1-3, 2021.

2021 ACM CIKM 2021, the Conference on Information and Knowledge Management, November 1-5, 2021.

2021 29th Conference on User Modeling, Adaptation and Personalization - ACM UMAP 2021. Utrecht, the Netherlands, June 21-25, 2021.

EDITORIAL BOARD / GUEST EDITOR ROLES IN RELEVANT INTERNATIONAL JOURNALS

2018 Journal of Mobile Information Systems - Lead Guest Editor della *Special issue on Advances in Personalized Mobile Services* ([**si1**]) (ISSN 1574-017X)

2017 Journal of Personal and Ubiquitous Computing - Guest Editor of *Special issue on Mining Social Networks for Local Search and Location-based Recommender Systems* ([**si2**]) (ISSN 1617-4909)

PATENTS

2013- Co-inventor on patent US8606781 B2 (Status: Granted) in the field of Computer Science, titled "Systems and methods for personalized search." Filing year 2005 – Grant year 2013 – Expiry year 2029.
Abstract: "Techniques are presented to provide personalized search results to a user. A user history optionally classified into projects or tasks is determined. A profile for the user is determined by identifying keywords, concepts or other user and/or task specific descriptors within user history documents. A proximal neighborhood based on the user's history and adjustable crawling parameters is determined. The adjustable crawling parameters define which documents linked to documents in the user history are included within the proximal neighborhood. A user query is determined and used to search the set of documents within the proximal neighborhood. The results are then ranked based on the user profile information. The ranked results are optionally displayed to the user."
The ownership extends to the following patent family:
– EP-1717720-A1 "Discovery of Related Documents Based on a Proximal Neighborhood Measure"
– JP-2007149057-A "Systems and Methods for Personalized Search"

EVALUATOR OF FUNDING PROPOSALS

2026 Invited as an External Expert by the COST Association (European Cooperation in Science and Technology) to evaluate COST Action proposals submitted to the Open Call OC-2026-1.

2025 Evaluator in the "Galileo" program funded by the Italian Ministry of University and Research (MUR) for Italy, and by the Ministère de l'Europe et des Affaires étrangères (MEAE) and the Ministère de l'Enseignement supérieur et de la Recherche (MESR) for France. Evaluation activity completed on July 28, 2025.

2025 Evaluator in the Italo–French / Université Franco Italienne (UIF/UFI) "Vinci" program. Evaluation activity completed on March 31, 2025.

2024 Member of the Evaluation Committee for the cascade call "ECS Rome Technopole – Spoke 3," DR no. 389/2024. Evaluation activity completed on April 22, 2024.

2020-2021 Evaluator in the Italo–French / Université Franco Italienne (UIF/UFI) "Vinci" program. Invitation accepted in May 2020.

2018 Evaluator in the "TOP Grant" program of the Netherlands Organisation for Scientific Research (NWO). Invitation accepted on July 31, 2018.

OTHER INSTITUTIONAL RESPONSIBILITIES

2026 Member of the jury of the 3rd edition of the Most Promising Researcher in Robotics and Artificial Intelligence award - Romecup2026, Rome, Italy. URL: https://www.romecup.org/

2024- Quality Assurance Manager (RAQ) for Third Mission activities, Department of Civil, Computer and Aerospace Technologies Engineering – Roma Tre University. From November 22, 2024 to December 31, 2027

2024- Director of the "AI Laboratory," Department of Civil, Computer and Aerospace Technologies Engineering – Roma Tre University. URL: https://ailabroma3.it/

2022- Member of the Study Plans and Student Practices Committee – Computer Engineering Teaching Board, Roma Tre University. From July 22, 2022.

2022- Member of the Admission Evaluation Committee for the MSc in Computer Engineering – Computer Engineering Teaching Board, Roma Tre University.
From July 22, 2022.

2018- Member of SIGCHI Italy, the Italian ACM SIGCHI Chapter. http://sigchitaly.eu/

2017–2018 Member of the Artificial Intelligence Task Force promoted by the Italian Digital Agency (AgID), the technical agency of the Presidency of the Council of Ministers. The mission of the task force is to define recommendations and guidelines for the Italian public administration stemming from recent innovations and scientific results in Artificial Intelligence research. Joined the coordinating group of the Task Force after a national selection by AgID, with a positive outcome communicated on July 26, 2017. URL: https://www.agid.gov.it/it/agenzia/stampa-e-comunicazione/focus/intelligenza-artificiale

PUBLICATIONS

International journals

[j17] Alessio Ferrato, Fabio Gasparetti, Carla Limongelli, Stefano Mastandrea, Giuseppe Sansonetti, and Joaquín Torres-Sospedra. Indoor positioning, localization, and navigation systems for cultural heritage: A five-year systematic review. *Internet Things*, 39:102011, 2026. doi: 10.1016/J.IOT.2026.102011. URL https://doi.org/10.1016/j.iot.2026.102011

[j16] Elisa de Paola, Roberto Camussi, Fabio Gasparetti, Alessandro Di Marco, Luana G. Stoica, Giorgia Capobianchi, and Fabio Paglia. Predicting wall pressure fluctuations on aerospace launchers through machine learning approaches. *Aerospace*, 11(12), 2024. doi: 10.3390/aerospace11120972. URL https://doi.org/10.3390/aerospace11120972

[j15] Fabio Gasparetti. Discovering prerequisite relations from educational documents through word embeddings. *Future Generation Computer Systems*, 127:31–41, 2022. ISSN 0167-739X. doi: 10.1016/j.future.2021.08.021. URL https://doi.org/10.1016/j.future.2021.08.021

[j14] Giuseppe Sansonetti, Fabio Gasparetti, Giuseppe D'Aniello, and Alessandro Micarelli. Unreliable users detection in social media: Deep learning techniques for automatic detection. *IEEE Access*, 8(-):213154–213167, 2020. ISSN 2169-3536. doi: 10.1109/ACCESS.2020.3040604. URL https://doi.org/10.1109/ACCESS.2020.3040604

[j13] Fabio Gasparetti, Giuseppe Sansonetti, and Alessandro Micarelli. Community detection in social recommender systems: a survey. *Applied Intelligence*, 51(6):3975–3995, 2021. ISSN 1573-7497. doi: 10.1007/s10489-020-01962-3. URL https://doi.org/10.1007/s10489-020-01962-3

[j12] Fabio Gasparetti, Luca Maria Aiello, and Daniele Quercia. Personalized weight loss strategies by mining activity tracker data. *User Modeling and User-Adapted Interaction*, 30(3):447 – 476, 2020. ISSN 0924-1868. doi: 10.1007/s11257-019-09242-7. URL https://doi.org/10.1007/s11257-019-09242-7. Cited by: 9

[j11] Giuseppe Sansonetti, Fabio Gasparetti, Alessandro Micarelli, Federica Cena, and Cristina Gena. Enhancing cultural recommendations through social and linked open data. *User Modeling and User-Adapted Interaction*, 29(1):121–159, 2019. ISSN 0924-1868. doi: 10.1007/s11257-019-09225-8. URL https://doi.org/10.1007/s11257-019-09225-8

[j10] Davide Feltoni Gurini, Fabio Gasparetti, Alessandro Micarelli, and Giuseppe Sansonetti. Temporal people-to-people recommendation on social networks with sentiment-based matrix factorization. *Future Generation Computer Systems*, 78:430–439, 2018. ISSN 0167-739X. doi: 10.1016/j.future.2017.03.020. URL http://dx.doi.org/10.1016/j.future.2017.03.020

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International Workshops - Invited talks

[i4] Fabio Gasparetti. Profiling users by activity tracker data collected by consumer wearable devices. Workshop on temporal aspects in user modeling. Haifa, Israel 18-21 July, 2022. URL https://taspects.hevra.haifa.ac.il/home. Partecipation by invitation

[i3] Fabio Gasparetti. Recent advancements in ML for improving information acquisition for awareness in Cybersecurity context. Workshop on Smart Learning for Cybersecurity Securing Industrial Control Systems, funded by Cassini Program 2019. Rome, Italy, 22 November, 2019. Invited Talk

[i2] Fabio Gasparetti. Improving News Recommendation by Monitoring the Perception of News Content on Social Networks: A Methodology. Workshop of the Israel Science Foundation on: User Modeling and Recommender Systems, organized by Tsvi Kuflik. Haifa, Israel, 17-19 July, 2017. Invited Talk

[i1] Fabio Gasparetti. Exploring folksonomies for adaptive query expansion. SASWeb 2012: Semantic and Adaptive Social Web workshop, organized by Lora Aroyo, Federica Cena, Antonina Dattolo, Pasquale Lops, Julita Vassileva. In conjunction with the 20th Conference on User Modeling, Adaptation, and Personalization. Montreal, Canada, 16-20 July, 2012. URL https://ceur-ws.org/Vol-872/sasweb2012_invitedtalk_3.pdf. Invited Talk

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Patents

[b1] Patent US8606781 B2 (Type: Granted) "Systems and methods for personalized search". ' Filing year 2005 – Grant year 2013 – Expiry year 2029. The ownership extends to the following patent family: EP-1717720-A1 "Discovery of Related Documents Based on a Proximal Neighborhood Measure", JP-2007149057-A "Systems and Methods for Personalized Search"

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