

PERSONAL INFORMATION

Stefano Ferilli



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Sex M | Date of birth 12/10/1972 | Nationality Italian

h-index: 24 (Google Scholar), 19 (Scopus)
total citations: 2176 (Google Scholar), 1162 (Scopus)

Table with 3 columns: Enterprise, University, EPR. Rows include Management Level, Mid-Management Level, Employee / worker level, Full professor, X Associate Professor, and Researcher and Technologist of IV, V, VI and VII level / Technical collaborator.

WORK EXPERIENCE

2006 - present

Associate Professor

University of Bari, Italy

- Research topics: Knowledge Representation & Reasoning, Machine Learning & Data Mining, Natural Language Processing, Document Processing & Digital Libraries

Research

2002 - 2006

Assistant Professor

University of Bari, Italy

- Research topics: Machine Learning, Natural Language Processing, Document Processing & Digital Libraries

Research

2000 - 2002

Research Contractor (contrattista di ricerca)

University of Bari, Italy

- Research topics: Multistrategy Learning, Document Processing

Research

1998 - 2000

Research Fellow (borsista di ricerca)

University of Bari, Italy

- Research topics: Machine Learning, Document Processing

Research

EDUCATION AND TRAINING

2001

Ph.D in Computer Science

University of Bari, Italy

- A Framework for Incremental Synthesis of Logic Theories: An Application to Document Processing

2003

M.Sc. "Laurea Specialistica in Informatica" (Computer Science)

University of Bari, Italy

- Inductive Logic Programming for Theory Revision – Further Developments, 110/110 magna cum laude

1996

M.Sc. "Scienze dell'Informazione" (Computer Science)

University of Bari, Italy

- Inductive Logic Programming for Theory Revision, 110/110 magna cum laude

PROJECTS (last five years)

With leadership roles

2018-2022	Responsible for the IT and data processing aspects in the European Community Erasmus+ project 599612-EPP-1-2018-1-EN-EPPJMO-CHAIR 2018-2021 Jean Monnet Chair "History and politics of European integration"
2021-2023	Entrepreneurship Coach in the European Community Erasmus+ 400621689 SpinTeams project "University Spin-offs Alliance: From the idea to the market through mentoring and transnational entrepreneurial teams"
2019-ongoing	Node contact person for the European Network of Excellence project H2020 ICT-48 TAILOR "Foundations of Trustworthy AI - Integrating Learning, Optimization and Reasoning"
2022-ongoing	Head of the INF/01 Operational Unit in the University Research Project Horizon Europe Seeds 2021 "Digitalization and automation: uses and effects of new technologies on work" (2022-2023)
2022	Principal Investigator for industry research project funded by AppFORGOOD S.r.l. for the feasibility study and eventual identification of an algorithm to identify a human from his heart data trace generated by a special heartbeat sensor (HRM), mounted on board a wearable device
2022-2027	Responsible for the research collaboration between the University of Bari (Department of Computer Science) and the LO*OP Center (California, USA), aimed at developing and applying Artificial Intelligence solutions to educational systems
2021	Responsible for the collaboration agreement between the University of Bari (Department of Computer Science) and Samsung Electronics Italia S.p.A., related to the project Samsung Smart Things, aimed at: teaching to students of STEM subjects IoT-related and soft skills
2018-2021	Responsible for the research collaboration between the University of Bari (Department of Computer Science) and the Italian State Police, aimed at developing and applying Machine Learning and Data Mining solutions to traffic data

Project reviewer

For MITACS (Mathematics of Information Technology and Complex Systems), Canada (since 2021); for FNRS (Fund for Scientific Research), Belgium (since 2017); for NSERC (Natural Sciences and Engineering Research Council of Canada) (since 2017); for the Czech Science Foundation (2013)

COMMUNITY SERVICE (last 5y)

Steering Committee member	Italian Research Conference on Digital Libraries (IRCDL) since 2019
TPC chair	Italian Research Conference on Digital Libraries (IRCDL) 2021, 2020; International Congress of the Italian Association for Artificial Intelligence (AIIA) 2017
Senior PC Member	IJCAI-ECAI 2022; IJCAI 2021; ECAI2020
Workshops chair	IEEE/WIC/ACM Web Intelligence Conference (WI) 2016 Workshops Chair for Europe; ECML/PKDD 2011 Workshop on Mining Complex Entities from Network and Biomedical Data (MIND)
Proceedings chair	ECML/PKDD (European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases) 2014, 2016, 2018; DS (International Conference on Discovery Science) 2016; ISMIS (International Symposium on Methodologies for Intelligent Systems) 2015
Publicity chair	ECML/PKDD (European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases) 2014
TPC member	IJCAI 2020; IEEE-ICDM 2018, 2019, 2020, 2021; ICPR 2018, 2020; AAI 2018, 2019; TPD 2022, IEEE ICBK 2017; ECML/PKDD 2017, 2018, 2019, 2022; ACM DocEng 2017, 2018, 2019, 2021; ISMIS 2017, 2018, 2020, ILP 2017, 2018, 2021; ICAART 2017, 2018, 2019, 2020; DEXA 2017, 2018, 2019, 2020, 2021; AIIA 2018, 2019, 2020, 2021

Regular reviewer IEEE-SMCA (Systems, Man and Cybernetics: Systems), IEEE; MLJ (Machine Learning Journal), Elsevier; DAMI (Data Mining and Knowledge Discovery Journal), Springer; JIIS (Journal of Intelligent Information Systems), Springer; APIN (Applied Intelligence – The International Journal of Artificial Intelligence, Networks, and Complex-Problem Solving Technologies), Springer; INS (Information Sciences - An International Journal), Elsevier; KAIS (Knowledge and Information Systems), Springer; EAAI (Engineering Applications of Artificial Intelligence – The International Journal of Intelligent Real-Time Automation), Elsevier; IEEE Intelligent Systems, IEEE; AIRE (Artificial Intelligence Review), Springer; JWS (Journal of Web Semantics), Elsevier; AMAI (Annals of Mathematics and Artificial Intelligence), Springer; JLC (Journal of Logic and Computation), Oxford; EXSY (Expert Systems: The Journal of Knowledge Engineering), Wiley; MTAP (Multimedia Tools and Applications), Springer; IJSNM (International Journal of Social Network Mining), Inderscience; CMPB (Computer Methods and Programs in Biomedicine), Elsevier; ENVPOL (Environmental Pollution), Elsevier; International Journal on Distributed Sensor Networks, Hindawi Publishing; Scientific World Journal, Hindawi Publishing; SJER (Scandinavian Journal of Educational Research), Routledge – Taylor & Francis.

EDITORIAL ACTIVITY

2013-present Associate Editor for “Information Sciences - An International Journal” (Elsevier)
 2015-present Associate Editor for “Computational Intelligence - An International Journal” (Kluwer)
 2016-present Editorial Board member for Machine Learning journal (MLJ) (Elsevier)
 2017-present Editorial Board member for Data Mining and Knowledge Discovery journal (DMKD) (Springer)
 2013-present Review Board member for International Journal of Applied Intelligence (Springer)
 2013-present Guest Editorial Board member for the ECMLPKDD (European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases) journal track, in cooperation with Machine Learning journal and Data Mining and Knowledge Discovery journal (Springer)
 2014-present Review Editorial Board member for Frontiers in Computational Intelligence journal, a branch of 'Frontiers in Robotics and AI'
 2015-2016 Editorial Board member for the Bulletin of IEEE Technical Committee on Digital Libraries (IEEE-TCDL), Special Issue on Data Citation (IEEE)
 2020-present Editorial Board member for Intelligenza Artificiale - The International Journal of the AI*IA (IOS Press).

PHD SUPERVISION

2007 - Present **Supervisor of 6 PhD students (last ones in the XXXII and XXXVII cycles)**
 2005 - Present Co-supervisor of 2 PhD students
 2017-present **External reviewer for 5 PhD theses**

TEACHING

2022 **“Multistrategy Reasoning” course, PhD course in “Computer Science” at the University of Bari**
 2016 **“Advanced Techniques to Mining Structured Data” course, PhD course in “Computer Science” at the University of Bari**
 2010-2013 (various years) **“Abstract Data and Algorithmics” course, PhD course in “Computer Science” at the University of Bari**
 2020 “Enabling technologies for digital public administration” course, Master course in “Digital Transformation of Public Administration” at the LUM University
 2019 Master course on “Machine Learning and Data Mining” course, Master course in “Data Science” at the University of Bari
 2004 “Networking” course, Master course in “Customer Relationship Management for Small and Medium Enterprises” at the University of Basilicata
 Since 2013 (various years) “Artificial Intelligence” course, Master’s degree courses in “Computer Science” at the University of Bari
 2015 “Intelligent Agents” course, Master’s degree courses in “Computer Science” at the University of Bari
 2018 “Applied Logics” course, Master’s degree courses in “Computer Science” at the University of Bari
 2019 “Computer Science & Artificial Intelligence” course, Master’s degree courses in “Management” at the LUM University
 Since 2002 (various years) “Programming” course, Bachelor’s degree courses in “Computer Science” at the University of Bari
 Since 2002 (various years) “Programming Languages” course, Bachelor’s degree courses in “Computer Science” at the University of Bari

Since 2005 (various years)	"Algorithms and Data Structures" course, Bachelor's degree courses in "Computer Science" at the University of Bari
2007-2013 (various years)	"Methods for Digital Document Processing" course, Bachelor's degree courses in "Computer Science" at the University of Bari
Since 2004 (various years)	"Computer Science" course, Bachelor's degree courses in "Environmental Sciences" and in "Veterinary" at the University of Bari
2002-2007 (various years)	"Didactics of Data Structures and Algorithms" course, Specialization School for Secondary Teaching at the University of Bari
2005	"Algorithmic Techniques and Data Structures" course, Specialization School for Secondary Teaching at the University of Bari
2002	"History and Epistemology of Computer Science" course, Specialization School for Secondary Teaching at the University of Basilicata
2002	"Foundations of Computer Science of Computer Science" course, Specialization School for Secondary Teaching at the University of Basilicata

INSTITUTIONAL RESPONSIBILITIES

2006-2018	Director (since 2012 "Coordinator") of the Interdepartmental Research Center on Logic and Applications (CILA) at the University of Bari
2018-present	Head of the ARA (Automatic Learning and Reasoning) research lab at the Department of Computer Science, University of Bari, Italy, which includes 6 permanent researchers, as well as PhD students and thesis students
2010-present	Scientific manager of the museum collection of the Department of Computer Science, University of Bari
2014-2017	Referent for the Degree Course in Computer Science and Digital Communication (Taranto campus) at the Interclass Council of the Computer Science Courses of the University of Bari
2010-present	Scientific manager of the museum collection of the Department of Computer Science, University of Bari
2018-present	Referent for the University of Bari node of the national laboratory on "Artificial Intelligence & Intelligent Systems" (AIIIS) of the National Interuniversity Consortium for Informatics (CINI)
2005-present	Member of the Teachers' Board of the PhD in Computer Science at the University of Bari
2008-present	Referent for the Computer Science Department in the Technical-Scientific Committee of the Interdepartmental Center for Scientific Museology (CISMUS), now University Museum System (SiMA) of the University of Bari
2015-present	Member of the Scientific Committee of the Scientific Library Hub of the University of Bari, for the Department of Computer Science
2014-present	Member of the University Coordination for e-infrastructure, Research and Education on Digital Cultural Heritage (e_IREDICH) of the University of Bari
2021-present	Member of the Scientific Committee of the Erasmus+ project "Jean Monnet Chair" at the University of Bari
2015-present	Treasurer of the Italian Association for Artificial Intelligence (AI*IA), a member of the European Association for Artificial Intelligence (EurAI)
2011-present	Member of the Steering Committee of the Italian Association for Artificial Intelligence (AI*IA), a member of the European Association for Artificial Intelligence (EurAI)

INVITED TALKS

2017	"Automatic Learning of Linguistic Resources and Models for Text Processing and Document Management" at Dalhousie University (Halifax, NS, Canada), Faculty of Computer Science
2014	"Automatic Extraction of Semantic Resources from Text" at ACM Symposium on Document Engineering (DocEng) 2014, Workshop on Semantic Analysis of Documents (SemADoc)

FELLOWSHIPS AND AWARDS

2017	Best Paper ("Extended Process Models for Activity Prediction") given as part of the 23rd International Symposium on Methodologies for Intelligent Systems (ISMIS-2017)
2019	"ECMLPKDD 2019 Journal Track Reviewer Award" in recognition of "outstanding contribution in the review work for the 2019 Review Section of ECMLPKDD, in terms of number of reviews, their quality and timely completion"
2017	"Top 10% Reviewer", with an overall percentile rating of 94 (out of 100), at the 17th ACM International Symposium on Document Engineering (DocEng-2017) based on the "review quality collector" system
2010	"Outstanding Program Committee Member" at the 25th International Joint Conference on Artificial Intelligence (IJCAI-2016) to 203 reviewers out of 1973 (10%)

ADDITIONAL INFORMATION

2018	Italian National Scientific qualification (Abilitazione Scientifica Nazionale, ASN) as a Full Professor in “Computer Science” (Settore concorsuale 01/B1 - Informatica, Settore scientifico disciplinare INF/01 - Informatica)
2017	Italian National Scientific qualification (Abilitazione Scientifica Nazionale, ASN) as a Full Professor in “Information Processing Systems” (Settore concorsuale 09/H1 - Sistemi di elaborazione delle informazioni, Settore scientifico disciplinare ING-INF/05 - Sistemi di elaborazione delle informazioni)
Since 2021	In possession of the requirements to act as a commissioner for the Italian National Scientific qualification (ASN) as a Full Professor in “Computer Science” (01/B1, INF/01)
Since 2021	In possession of the requirements to act as a commissioner for the Italian National Scientific qualification (ASN) as a Full Professor in “Information Processing Systems” (09/H1, ING-INF/05)

PUBLICATIONS

Publications
best and most relevant
in the last 10 years

1 international monograph; 3 national monographs and 4 books; 14 edited international proceedings; more than 320 scientific publications (including 39 on International journals, 118 in International Collections, 43 in International conferences, 27 in International Workshops).

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Stefano Ferilli