europass Curriculum Vitae

PERSONAL INFORMATION

Stefano Ferilli



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

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

Replace with job applied for / position / preferred job / studies applied for (delete non relevant headings in left column)

WORK EXPERIENCE

April 2024 - current

Full Professor of Computer Science

University of Bari – Department of Computer Science

c/o Campus Universitario – Via E. Orabona, 4 – 70125 Bari (BA) - ITALY

- Teaching (Lectures – Thesis supervision)
  - 1st level degree courses:
    - Programmazione 2 (Programming 2)
  - 2nd level degree courses:
    - Intelligenza Artificiale / Artificial Intelligence
- Research
  - Theoretical
    - Artificial Intelligence topics, and specifically Logic and Algebraic Foundations of Machine Learning, Inductive Logic Programming, Theory Revision, Multi-Strategy Reasoning, Knowledge Representation and Expert Systems, Process Mining.
  - Practical
    - Development of relational supervised and unsupervised learning systems
    - Applications in the fields of Electronic Document Processing and Digital Libraries, Geology, Bioinformatics, Ambient Intelligence & Ambient Assisted Living, Education.

Business or sector Education & Research

October 2006 – April 2024

Associate Professor of Computer Science

University of Bari – Department of Computer Science

c/o Campus Universitario – Via E. Orabona, 4 – 70125 Bari (BA) - ITALY

- Teaching (Lectures – Thesis supervision)
  - 1st level degree courses:
    - Informatica (Computer Science)
    - Programmazione (Programming)
    - Programmazione 2 (Programming 2)
    - Algoritmi e Strutture Dati (Algorithms and Data Structures)
    - Linguaggi di Programmazione (Programming Languages)
    - Metodi per il Trattamento Digitale dei Documenti (Methods for Digital Document Processing)
  - 2nd level degree courses:
    - Intelligenza Artificiale / Artificial Intelligence
    - Agenti Intelligenti (Intelligent Agents)
    - Logica applicata (Applied Logics)
    - Elaborazione e Gestione di Documenti Digitali (Digital Document Processing and Management)
  - PhD courses:
    - Abstract Data & Algorithmics
    - Advanced Techniques to Mining Structured Data
- Research

Business or sector Education & Research

February 2002 - October 2006

Assistant Professor of Computer Science

University of Bari – Department of Computer Science

c/o Campus Universitario – Via E. Orabona, 4 – 70125 Bari (BA) - ITALY

- Teaching (Lectures – Thesis supervision)
  - Degree courses:
    - Programmazione (Programming)
    - Algoritmi e Strutture Dati (Algorithms and Data Structures)
    - Linguaggi di Programmazione (Programming Languages)
- Research

Business or sector Education & Research

2000 - 2006

Research Contract

University of Bari – Department of Computer Science

c/o Campus Universitario – Via E. Orabona, 4 – 70125 Bari (BA) - ITALY

- Teaching (Lectures – Thesis supervision)
- Research

Business or sector Education & Research

EDUCATION AND TRAINING

2002-2003

'Specialistic' Degree in Computer Science

7

University of Bari – Bari, ITALY

- Algorithms and Data Structures
- Computer Networks
- Artificial Intelligence: Machine Learning: Multistrategy Learning

1998-2001

PhD in Computer Science

8

University of Bari – Bari, ITALY

- Artificial Intelligence: Logic Foundations, Knowledge Representation and Reasoning; Inductive Logic Programming; Machine Learning; Multistrategy Learning; Document Processing

1991-1996

Laurea Degree in Computer Science

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University of Bari – Bari, ITALY

- Mathematics (Algebra, Geometry, Analysis, Probability and Statistics, Numeric Calculus, Graph Theory)
- Physics
- Computer Architectures
- Operating Systems
- Programming
- Programming Languages
- Databases
- Software Engineering
- Theoretical Computer Science
- Information Theory
- Artificial Intelligence (Knowledge Representation, Expert Systems, Machine Learning)

1986-1991 **Secondary School Diploma (focusing on Humanities)** 4

Liceo Classico "G. Palmieri" - Lecce, ITALY

- Italian Literature
- Ancient languages: Latin, Greek
- Modern Languages: Italian, English
- Geography
- History
- Philosophy
- History of art,
- Mathematics
- Geometry
- Physics
- Chemistry
- Biology & Natural Sciences

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Excellent	Excellent	Excellent
French	Basic	Basic	Basic	Basic	Basic

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Excellent communication skills gained through my experience as a University Professor and Researcher.

- Teaching
  - Artificial Intelligence
  - Intelligent Agents
  - Applied Logics
  - Knowledge Representation & Multistrategy Reasoning
  - Methods for Digital Document Processing
  - Algorithms and Data Structures
  - Programming Languages
  - Programming
  - Basics of Computer Science
- Lectures in University courses and invited talks in conferences and meetings

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- Knowledge Engineering and Expert Systems
- Knowledge Representation
- Document Processing

- Research participation as member or research unit responsible:
  - 9 European ESPRIT/IST/Horizon Projects (1 as visiting researcher, 2 as competence area coordinator, 1 as task coordinator)
  - 1 NGI-search project (as Member Leader)
  - 4 European Erasmus+ Projects (2 with technical coordination responsibilities)
  - 8 European Networks of Excellence (1 as node reference person)
  - 2 Italian National Recovery & Resilience Plan Projects (1 as key person)
  - 12 Italian National Projects (1 as technical manater, 2 as activity coordinator)
  - 4 Italian National Foundational Research Projects
  - 5 Italian Regional Projects (1 as activity coordinator)
  - 13 Local University Projects (4 as Principal Investigator, 1 as head of Unit).

Organisational / managerial skills

The skills were acquired through my activity as a University Professor and Researcher.

- Administration:
  - 2018-current: Responsible of the node at the University of Bari of the Artificial Intelligence and Intelligent Systems (AIIS) Laboratory of the National Inter-university Consortium for Computer Science (CINI);
  - 2006-2018: Head of the Inter-departmental Center for Logics and Applications (CILA) at the University of Bari
  - 2014-current: Member of the Board for e-infrastructure, Research and Education on Digital Cultural Heritage (e_IREDICH) at the University of Bari;
  - 2015-2022: Member of the Scientific Board of the Library System (SiBA) at the University of Bari;
  - 2008-2023: Member of the Technical-Scientific Board of the Inter-departmental Center for Scientific Museology (CISMUS) at the University of Bari;
  - 2015-current: Treasurer of the Italian Association for Artificial Intelligence (AI*IA).
  - 2011-current: Member of the Steering Board of the Italian Association for Artificial Intelligence (AI*IA).
  - 2006-current: responsible for the Museum of Computer Science at the University of Bari.
  - 2006-current: responsible for the Automated Reasoning and Machine Learning (ARA) laboratory (formerly the Machine Learning Group of the Laboratory for Knowledge Acquisition and Machine Learning) at the University of Bari.
- Project Management:
  - Task Leader:
    - EU Project IST-2003-507173 Two Knowledge VIKEF, “Virtual Information and Knowledge Environment Framework".
    - EU Project IST-1999-20882 COLLATE, “Collaboratory for Annotation, Indexing and Retrieval of Digitized Historical Archive Materials”.
    - NRRP MUR project “FAIR: Future AI Research“ (PE00000013), funded by the NextGenerationEU
    - PON02-00563-3489339 National Project “Puglia@Service: Internet-based Service Engineering for the structural development of an ‘intelligent’ territory” (2012-2015).
    - FAR National Project DM 19410 “MBLab: Bioinformatics Laboratory for Molecular Biodiversity” (2006-2011).
    - FAR National Project “CHAT: Cultural Heritage fruition & e-learning applications of new Advanced (multimodal) Technologies” (2006-2009).
    - POR Puglia Regional Project “DDTA: Digital District supporting the Textile and Clothing Industry Production Chain” (2006-2009).
  - Research Unit Leader:
    - NRRP MUR project “CHANGES: Cultural Heritage Active Innovation for Sustainable Society“ (PE00000020), funded by the NextGenerationEU
    - POR Puglia 2007-2013 Regional Project “Innovative Technologies and Techniques for the Characterization and Qualitative Improvement of Apulian Enological Production”.
    - POR Puglia 2000-2006 Regional Project “Automated Winemaking Machinery for the Expert System-based Evaluation of the Production and Quality Parameters in the Fermentation Process”.
    - PIA 2000-2006 National Project “Analysis, Design and Protoyping of innovations to be applied to an advanced family of horizontal winemaking machines, aimed at improving the efficiency of the winemaking process and at simplifying its use”.

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- Project Leader:
  - Local University Project “Methods and models for Statistical-Selational Learning in network analysis” (2012);
  - Local University Project “Methods and Models for semantic interpretation of digital images” (2010);
  - Local University Project “Computational models for incremenal learning in Multi-Agent Systems” (2009);
  - Local University Project “Computational models with Intelligent features for semantic access todigital documents” (2008).

- Scientific Conference Organization:
  - **Since 2019**: Member of the Steering Committee of the Italian Research Conference on Digital Libraries (IRCDL)
  - Program Chair:
    - 23rd Italian Research Conference on Digital Libraries (IRCDL) 2023;
    - 19th Italian Research Conference on Digital Libraries (IRCDL) 2023;
    - 16th Italian Research Conference on Digital Libraries (IRCDL) 2020;
    - 16th International Congress of the Italian Association for Artificial Intelligence (AIIA) 2017;
    - 12th Italian Research Conference on Digital Libraries (IRCDL) 2016;
    - IEEE/WIC/ACM Web Intelligence Conference (WI) 2016 – Workshop Chair for Europe;
    - 8th Italian Research Conference on Digital Libraries (IRCDL) 2012;
    - ECML/PKDD 2011 Workshop on Mining Complex Entities from Network and Biomedical Data (MIND);
    - AI*IA 2022 Workshop on Artificial Intelligence for Cultural Heritage (IAICH).
    - AI*IA 2015 Workshop on Intelligent Techniques At Libraries and Archives (IT@LIA);
    - AI*IA 2009 Workshop on Logic-based Approaches in Bioinformatics (Bio-Logical).
  - Organizing Committee Member:
    - 26th International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems (IEA/AIE) 2013 Special Session on Knowledge Representation and Reasoning;
    - 24th International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems (IEA/AIE) 2011 Special Session on Intelligent Techniques for Document Processing;
    - 15th European Conference on Machine Learning (ECML 2004);
    - 18th International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems (IEA-AIE 2005);
    - 16th International Symposium on Methodologies for Intelligent Systems (ISMIS 2006).
  - Program Committee member:
    - International Joint Conference on Artificial Intelligence (IJCAI) 2013;
    - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PDKK) 2011, 2013, 2014, 2015, 2016, 2017, 2018;
    - International Conference on Inductive Logic Programming (ILP) 2013, 2014;
    - International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS) 2014, 2015;
    - International Conference on Data Mining (ICDM) 2011;
    - ACM Symposium on Document Engineering (DocEng) 2013, 2014;
    - International Symposium on Methodologies for Intelligent Systems (ISMIS) 2012;
    - International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems (IEA/AIE) 2011;
    - International Conference on Agents and Artificial Intelligence (ICAART) 2009, 2010, 2011, 2012, 2013, 2014, 2015;
    - International Conference on Database and Expert Systems Applications (DEXA) 2009, 2010, 2011, 2012, 2013, 2014;
    - International Conference on Advanced Data Mining and Applications (ADMA) 2011, 2012, 2013, 2014;
    - IADIS International Conference Information Systems (IS) 2013, 2014, 2015;
    - DocEng Workshop on Semantic Analysis of Documents (SemADoc) 2014;
    - ECML Workshop on New Frontiers in Mining Complex Patterns (NFMCP) 2014;
    - International Workshop on Scalable Optimization in Intelligent Networking (SCOPIN) 2012 – Workshop on TCCI-Modelling and Simulation of Intelligent Large-scale Systems;
    - International Conference on Intelligent Networking And Collaborative Systems (INCoS) 2011;
    - Canadian Conference on Artificial Intelligence (AI) 2015;
    - Brazilian Conference on Intelligent Systems (BRACIS) 2013, 2014;
    - Brazilian Symposium on Artificial Intelligence (SBIA) 2008, 2010, 2012;
    - 1st International Conference on Advances in Databases (DB) 2009;
    - ECML Workshop on Data Mining for Business 2005, 2006;

- Italian Research Conference on Digital Libraries (IRCDL) 2010, 2011, 2013, 2014;
- Convegno Italiano di Logica Computazionale (CILC) 2012, 2014;
- AI*IA Workshop on Mining Complex Patterns (MCP) 2011;
- Popularize Artificial Intelligence AI*IA Workshop (PAI) 2012, 2013;
- 17th RCRA International Workshop on Experimental evaluation of algorithms for solving problems with combinatorial explosion 2010.

▪ Scientific Journal Management
  ▫ Associate Editor for Information Sciences - An International Journal (Elsevier).
  ▫ Associate Editor for Computational Intelligence Journal (Wiley).
  ▫ Review Board member for the International Journal of Applied Intelligence (Springer).
  ▫ Guest Editorial Board member for ECMLPKDD (European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases) journal track submission, in cooperation with Machine Learning journal and Data Mining and Knowledge Discovery journal (Springer).
  ▫ Review Editorial Board member for Frontiers in Computational Intelligence, a section of 'Frontiers in Robotics and AI'.
  ▫ Referee for the following International journals:
    - APIN (Applied Intelligence -- The International Journal of Artificial Intelligence, Neural Networks, and Complex-Problem Solving Technologies), Springer;
    - MLJ (Machine Learning Journal), Elsevier;
    - DAMI (Data Mining and Knowledge Discovery Journal), Springer;
    - INS (Information Sciences - An International Journal), Elsevier;
    - KAIS (Knowledge and Information Systems), 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;
    - IJSNM (International Journal of Social Network Mining), Inderscience;
    - ENVPOL (Environmental Pollution), Elsevier;
    - Scientific World Journal, Hindawi Publishing.

▪ Supervisor of more than 130 Undergraduate and PhD students on topics concerning Expert Systems, Knowledge Representation and Reasoning, Machine Learning.

Job-related skills

▪ 2005: qualification as Information Engineer (enrolled in the National Registry of Engineers since 2006).
▪ Research topics:
  ▫ Artificial Intelligence,
  ▫ Knowledge Representation,
  ▫ Knowledge-based Systems,
  ▫ Machine Learning,
  ▫ Inductive Logic Programming,
  ▫ Multistrategy Learning,
  ▫ Logic Foundations of Artificial Intelligence,
  ▫ Expert Systems & Decision Support Systems,
  ▫ Document Processing,
  ▫ Digital Libraries,
  ▫ Ambient Intelligence,
  ▫ Process Mining

Computer skills

▪ PhD in Computer Science

Driving licence

▪ B

ADDITIONAL INFORMATION

Publications
Projects
Seminars

▪ Publications
  ▫ 1 International textbook published by Springer
  ▫ 3 textbooks published by National Publishers

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Memberships

- 3 translations of international books
- 20 proceeding books edited
- 54 International journal papers
- 7 National journal papers
- 126 papers on Springer Lecture Notes international series
- 16 National and International book chapters
- 48 International conference papers
- 49 papers on CEUR-WS international series
- 27 National conference papers
- 32 International workshop papers
- 51 National workshop papers

▪ Projects

- EU Projects:
  - NGI-search OC2_20 “The World Literature KG” (2023-2024).
  - IST-2003-507173 Two Knowledge VIKEF, “Virtual Information and Knowledge Environment Framework” (2004-2007).
  - IST-1999-20882 COLLATE, “Collaboratory for Annotation, Indexing and Retrieval of Digitized Historical Archive Materials” (2000-2003).
  - IST-1999-13347 COGITO, “E-COmmerce with Guiding agents based on personalized Interaction TOols” (2000-2001).
  - ESPRIT n.29159 CONCERTO, “CONCEptual indexing, querying and ReTrieval Of digital documents” (1998-2000).
  - ESPRIT n.20821 SODAS, “Symbolic Official Data Analysis System” (1996-1999).
- Networks of Excellence:
  - European Network of Excellence in Machine Learning (projects ESPRIT n.7115 MLnet [1992-1997] and n.29288 Mlnet2 [1998-2002]);
  - European Network of Excellence in Computational Logic (project ESPRIT n.72309 COMPUNET [1995-1997]);
  - European Network of Excellence in Inductive Logic Programming (project INCO 977102 ILPnet2 [1998-2002]);
  - European Network of Excellence in Knowledge Discovery (project IST-2001-33086 KDnet [2002-2004]);
  - European Network of Excellence in Digital Libraries (projects IST-1999-12262 DELOS [2000-2003] and IST-2002-507618 DELOS2 [2003-2007]).
- Italian National Projects:
  - 2021–2027 National Research, Innovation, and Competitiveness Program project HERITAS (Heritage Enhanced through Research, Innovation, Technology, and Accessible Solutions)
  - NRRP PE00000013 “FAIR - Future AI Research”, spoke 6 -- Symbiotic AI, funded by the NextGenerationEU.
  - NRRP PE00000020 “CHANGES - Cultural Heritage Active innovation for Next-GEn Sustainable society”, Spoke 3 -- Digital Libraries, Archives and Philology, funded by the NextGenerationEU.
  - PON02-00563-3489339 “Puglia@Service: Internet-based Service Engineering for the structural development of an ‘intelligent’ territory” (2012-2015).
  - PON02-00563-3470993 “VINCENTE: A Virtual collective INtelligenCe ENvironment to develop sustainable Technology Entrepreneurship ecosystems” (2012-2015).
  - DM 19410 “MBLab: Bioinformatics Laboratory for Molecular Biodiversity” (2006-2011).
  - DM 593 “CHAT: Cultural Heritage fruition & e-learning applications of new Advanced (multimodal) Technologies” (2006-2009).
  - PIA 2000-2006 Project “Analysis, Design and Protoyping of innovations to be applied to an advanced family of horizontal winemaking machines, aimed at improving the efficiency of the winemaking process and at simplifying its use”.
  - Foundational Research Project “Automatic Synthesis of Abstract Models starting from Temporal or Spatial Data – Computational Multistrategy Learning Models for Sequences in First-Order” (2006-2009).
  - Foundational Research Project “Artificial Intelligence Techniques for Retrieving High-quality Information on the Web – Machine Learning Methods and Techniques for the Semantic Web” (2003-2005).
  - Foundational Research Project “Intelligent Agents: Interaction and Knowledge Acquisition – Learning Models and Interaction Models in Cooperative Multi-Agent Systems” (1998-2000).
  - Foundational Research Project “Automatizing Inductive Reasoning for the Revision of Logic Programs – Knowledge Representation and Reasoning Mechanisms” (1995-1996).
  - Flagship Project “Ritmare: Italian Marine Research” (2012-2016).

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- Regional Projects:
  - POR Puglia 2007-2013 Project “Innovative Technologies and Techniques for the Characterization and Qualitative Improvement of Apulian Enological Production”.
  - POR Puglia 2000-2006 Project “Automated Winemaking Machinery for the Expert System-based Evaluation of the Production and Quality Parameters in the Fermentation Process”.
  - POR Puglia Project “DDTA: Digital District supporting the Textile and Clothing Industry Production Chain” (2006-2009).
  - POR Puglia 2000-2006 “DIPIS: Distributed Production as an Innovative System” (2006-2009).
  - “@SSO_NET: The Virtual Community of Apulian PMIs and Artisans” (2004-).
- Local University Projects:
  - Project “Methods and models for Statistical-Selational Learning in network analysis” (2012);
  - “Methods and Models for semantic interpretation of digital images” (2010);
  - “Computational models for incremenal learning in Multi-Agent Systems” (2009);
  - “Computational models with Intelligent features for semantic access todigital documents” (2008);
  - “Automatic Knowledge Acquisition in ontological form using First-Order Logics” (2007);
  - “Computational Models for Machine Learning in hybrid First-Order formalisms” (2006);
  - “Inductive Learning for Semantic-based Automatic Annotation of Documents” (2005);
  - “Abstraction and Description Logics in Machine Learning” (2004);
  - “Virtual Agents for Intelligent Information Access” (2003);
  - “Machine Learning Methods and Interaction Techniques for the Semantic Web” (2002);
  - “Intelligent Techniques for Knowledge Extraction and Discovery” (2001).

- Invited Speaker
  - Speech “Graph-based Semantic Knowledge Representation and Management for Cultural Heritage” at the Department of Computer Science and Informatiom Systems, University of Limerick (Ireland), by Science Foundation Ireland Research Centre for Software (Lero) and Centre for Research Training - Science Foundation Ireland, 14 February 2024.
  - Speech “L’Intelligenza Artificiale e l’educazione”, event “L’educazione nel XXI secolo: politiche, problemi, prospettive”, by Centro Interuniversitario di ricerca per gli studi gramsciani, University of Bari, 14 December 2023.
  - Speech “Holistic Semantic Representation and Handling of Library Information”, event “Power and Ethics of AI in Mining and Exploring Data Repositories: Application in Libraries”, Département SID (Sciences de l’Information et du Document), University of Lille (Lille, France), 21 June 2023.
  - Keynote speaker on “Automatic Extraction of Semantic Resources from Text " at the ACM Symposium on Document Engineering (DocEng) 2014, Workshop on Semantic Analysis of Documents (SemADoc), 2014.
  - Speech “Intelligenza Artificiale nota e meno nota: rischi e opportunità” at the ‘COMtecnica Conference’, congresso nazionale dell’Associazione Italiana per la Comunicazione Tecnica (COM&TEC), Bologna, 29 May 2024;
  - Speech “Il KENBAK-1, primo personal computer elettronico della storia”, events “Un pomeriggio al Museo... di Informatica” by DIB and Apulia Retrocomputing, Bari, 19 January 2024;
  - Speech “Intelligenza Artificiale per Biblioteche e Archivi Digitali”, event “assemblea della Società Italiana di Scienze Bibliografiche e Biblioteconomiche (SISBB)”, Roma, 3 March 2023;
  - Speech “Intelligenza Artificiale: Storia, scienza e fantascienza”, event “III Vintage Computer Forum Italia (VCFI)”, Rome, 24-26 April 2020 (postponed);
  - Speech “Intelligenza Artificiale – una prospettiva passata, presente e futura”, event “La Notte dei Ricercatori – ERN Apulia 2019 ” by Università degli Studi di Bari, Bari, 27 september 2019;
  - Speech “In azienda con Intelligenza Artificiale: Come ragiona un sistema intelligente?”, workshop “AI + EQ = Good! L'Intelligenza Artificiale che piace alle persone” by Associazione Italiana per la Direzione del Personale (AIDP) Triveneto, Marghera (VE), 20 February 2019.
  - Speech “In azienda con Intelligenza Artificiale”, workshop “Automazione intelligenza artificiale human in the loop", by CONFINDUSTRIA Veneto SIAV S.p.a., Altavilla Vicentina (VI), 15 February 2019.
  - Lecture “Automatic Learning of Linguistic Resources and Models for Text Processing and Document Management” at the Faculty of Computer Science della Dalhousie University (Halifax, NS, Canada), 17-18 july 2017.
  - Lecture “Concetti di Apprendimento Automatico” at Consorzio Monte dei Paschi di Siena (MPS), Florence, 9 september 2016.
  - Panelist at the First Italian Workshop on Artificial Intelligence for Ambient Assisted Living (AI*AAL) 2014, at the XIII AI*IA Symposium on Artificial Intelligence (AI*IA2014), Pisa, 12 november 2014.
  - Speech “Matematica e scienze naturali: norme giuridiche del primo tipo”, symposium

"L'ordinamento giuridico e le scienze", Bari, 28 june 2013.
- Lecture "Metodi per il Trattamento Digitale dei Documenti", F5 Hit Refresh" Open Innovation Camp on Natural Language Processing and Media Screening, S. Vito dei Normanni (BR), 24 july 2012.
- Lecture "A General Similarity Framework for Horn Clause Logic", "C.I.L.A. Lectures", University of Bari, Bari, 14 june 2011.
- Speech "I modelli cognitivi del fatto", symposium "Dal fatto al reato", Bari, 9 june 2011.
- Speech "I metodi del Ragionamento nella Teoria dell'Intelligenza Artificiale", symposium "Ragione, Verità e Giustizia", Bari, 2 october 2009.
- Speech "Le forme dell'argomentazione giudiziaria nella teoria dell'intelligenza artificiale – Modelli logici: l'inferenza deduttiva, induttiva, abduttiva, analogica", symposium "La verità nel Processo Civile", Bari, 22 december 2008.
- Speech "Le forme dell'argomentazione giudiziaria nella teoria dell'intelligenza artificiale – Modelli logici: l'inferenza deduttiva, induttiva, abduttiva, analogica", symposium "La verità nel Processo Amministrativo", Bari, 3 october 2008.

- Former or current memberships:
  - AI*IA (Italian Association for Artificial Intelligence)
  - AICA (Italian Association for Automated Computation)
  - GULP (Group of Researchers and Users of Logic Programming)
  - GIRPR (Italian Group of Researchers in Pattern Recognition)
  - ISAI (International Society of Applied Intelligence)
  - ISPE (International Society for Productivity Enhancement) and ISPE Foundation

PUBLICATIONS

Most relevant in last 5 years

- S. Ferilli, D. Di Pierro, D. Redavid & E. Bernasconi. TrAnSIT: An Interpretable and Explainable AI Framework for Urban-Suburban Traffic Analysis and Understanding. *International Journal of Data Science and Analytics*, ISSN 2364-415X, eISSN 2364-4168, 22:110, 28 pp., Springer, 2026.
- E. Bernasconi, D. Redavid & S. Ferilli. Integrated Survey Classification and Trend Analysis via LLMs: An Ensemble Approach for Robust Literature Synthesis. *Electronics*, ISSN 2079-9292, 14, 3404, 38 pp., MDPI, 2025.
- S. Ferilli. Object Identity Reloaded – A Comprehensive Reference for an Efficient and Effective Framework for Logic-based Machine Learning. *Electronics*, ISSN 2079-9292, 14(8), 1523, 43 pp., MDPI, 2025.
- E. Bernasconi, D. Redavid & S. Ferilli. Enhancing personalized learning with a context-aware Intelligent Question-Answering System and Automated Frequently Asked Question Generation. *Electronics*, ISSN 2079-9292, 14(7), 1481, 26 pp., MDPI, 2025.
- E. Bernasconi & S. Ferilli. Enhancing Symbol Recognition in Library Science via Advanced Technological Solutions. *Information*, ISSN 2078-2489, 16, 119, 25 pp., MDPI, 2025.
- E. Bernasconi, M. Ceriani & S. Ferilli. LPG Semantic Ontologies: A Tool for interoperable schema creation and management. *Information*, ISSN 2078-2489, 15, 565, 24 pp., MDPI, 2024.
- D. Redavid & S. Ferilli. Semantic Web Services ingestion in a Process Mining Framework. *Electronics*, ISSN 2079-9292, 12(23): 4767, 26 pp., MDPI, 2023.
- E. Bernasconi, D. Di Pierro, D. Redavid & S. Ferilli. SKATEBOARD: Semantic Knowledge Advanced Tool for Extraction, Browsing, Organization, Annotation, Retrieval, and Discovery. *Applied Sciences*, ISSN 2076-3417, 13(21): 11782, 24 pp., MDPI, 2023.
- S. Ferilli, E. Bernasconi, D. Di Pierro & D. Redavid. A Graph DB-based Solution for Semantic Technologies in Future Internet. *Future Internet*, ISSN 1999-5903, 15(10), 345, 28 pp., MDPI, 2023.
- E. Bernasconi, M. Ceriani, D. Di Pierro, S. Ferilli & D. Redavid. Linked Data Interfaces: A Survey. *Information*, ISSN 2078-2489, 14:483, 31 pp., MDPI, 2023.
- S. Ferilli. Complement Recognition-Based Formal Concept Analysis for Automatic Extraction of Interpretable Concept Taxonomies from Text. *Electronics*, ISSN 2079-9292, 12(9):2137, 24 pp., MDPI, 2023.
- D. Di Pierro, S. Ferilli & D. Redavid. LPG-based Knowledge Graphs: a Survey, a Proposal and Current Trends. *Information*, ISSN 2078-2489, 14(3):154, 32 pp., MDPI, 2023.
- S. Ferilli. GEAR: A General Inference Engine for Automated MultiStrategy Reasoning.

Electronics, ISSN 2079-9292, 12(2):256, 24 pp., MDPI, 2023.

- L. Matviichuk, S. Ferilli & N. Hnedko. Study of the Organization and Implementation of e-Learning in Wartime Inside Ukraine. *Future Internet*, ISSN 1999-5903, 14:295, 21 pp., MDPI, 2022.
- S. Ferilli, D. Redavid & D. Di Pierro. Holistic Graph-based Document Representation and Management for Open Science. *International Journal on Digital Libraries* (IJDL), ISSN 1432-5012, e-ISSN 1432-1300, 24:205-227, Springer, 2023 (on-line 29 June 2022). **[Among the 3 best recent papers on the journal]**
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Autorizzo il trattamento dei miei dati personali ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n°196 – "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 – "Regolamento europeo sulla protezione dei dati personali".

DICHIARAZIONE SOSTITUTIVA DELL'ATTO DI NOTORIETA'
(Artt. 46 e 47 D.P.R. 28 dicembre 2000, n. 445)

Il sottoscritto Stefano Ferilli, nato a Lecce (LE) il 12/10/1972 e residente a Bari (BA) in Via Piave n. 63, consapevole delle sanzioni penali, nel caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del D.P.R. 445 del 28 dicembre 2000

DICHIARA

che tutto quanto riportato nel presente Curriculum Vitae et Studiorum, e nel relativo elenco delle pubblicazioni, corrisponde al vero, e di essere in possesso di tutti i titoli ivi riportati.

Dichiara, altresì, di essere informato, ai sensi e per gli effetti di cui al D. Lgs. N. 196/2003, che i dati personali raccolti saranno trattati, anche con strumenti informatici, esclusivamente nell'ambito del procedimento per il quale la presente dichiarazione viene resa.

Bari, li 02/11/26.

Il Dichiarante

