Europass
Curriculum Vitae

PERSONAL INFORMATION

First name / Surname	**Paolo Traverso**
Address (work)	**Fondazione Bruno Kessler (FBK)** Via Sommarive 18, Povo I-38123 Trento ITALY
E-mail	traverso@fbk.eu
URL	https://www.fbk.eu/en/paolo-traverso//
Nationality	Italian

WORK EXPERIENCE

Dates	January 2021 - present
Occupation or position held	**FBK Director of Strategic Planning**
Name and address of employer	**FBK**: **Fondazione Bruno Kessler** (https://www.fbk.eu/
Main activities and responsibilities	Directing and coordinating research, development, and innovation activities in FBK key strategic areas:

- **Research – Experimentation – Market & Society Pipeline**: Building innovation ecosystems by involving and connecting FBK research, private companies, and public institutions.
- **Local – National – International Pipeline**: Aligning and integrating local initiatives with national and European projects and programs.
- **Sustainability Pipeline**: Planning for the long-term self-sustainability of projects beyond the initial, time-limited funding phase.
- **FBK's Future Scientific and Technological Positioning:** Defining a strategy to identify emerging trends in AI research and to position FBK as a distinctive leader in the field.

Type of business or sector	Research Center Management and Governance, Definition and Execution of the Strategic Plan, Scientific Research in Artificial Intelligence and Computer Science.

Dates	1st January 2021 – 31st December 2023
Occupation or position held	**Coordinator of the European Project "AIPlan4EU - Bringing AI Planning to the European AI On-Demand Platform"**
Name and address of employer	European Commission – Programme "H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
Project description	Automated Planning and Scheduling is a central research area in AI that has been studied since the inception of the field and where European research has been making strong contributions over decades. Planning is a decision-making technology that consists in reasoning on a predictive model of a system being controlled and deciding how and when to act in order to achieve a desired objective. It is a relevant technology for many application areas that need quick, automated and optimal decisions, like agile manufacturing, agrifood or logistics. Although there is a wealth of techniques that are mature in terms of science and systems, several obstacles hinder their adoption, thus preventing them from making the footprint on European industry that they should make. For example, it is hard for practitioners to find the right techniques for a given planning problem, there are no shared standards to use them, and there is no easy access to expertise on how to encode domain knowledge into a planner. The AIPlan4EU project will bring AI planning as a first-class citizen in the European AI On-Demand (AI4EU) Platform by developing a uniform, user-centered framework to access the existing planning technology and by devising concrete guidelines for innovators and practitioners on how to use this technology. To do so, we will consider use-cases from diverse application areas that will drive the design and the development of the framework, and include several available planning systems as engines that can be selected to solve practical problems. We will develop a general and planner-agnostic API that will both be served by the AI4EU platform and be available as a resource to be integrated into the users' systems. The framework will be validated on use-cases both from within the consortium and recruited by means of cascade funding; moreover, standard interfaces between the framework and common industrial technologies will be developed and made available.
Type of business or sector	Project Coordinator

Dates	December 2022 – February 2026
Occupation or position held	**Leader of the research cluster ("spoke") on "Integrative AI" of the National Project "Future Artificial Intelligence Research" (FAIR) - https://future-ai-research.it/, and member of the Technical-Scientific Committee of the FAIR Foundation.**
Project description	The project, coherently with the National Strategic Program for Artificial Intelligence (AI) 2022-2024, aims to address research questions, methodologies, models, technologies and also the ethical and legal rules to build AI systems capable of interacting and collaborating with humans, of perceiving and acting within constantly evolving contexts, of being aware of one's own limits and capable of adapting to new situations, to be aware of the perimeters of safety and trust, and to be attentive to the environmental and social impact that their implementation and execution may entail. The "Future Artificial Intelligence Research (FAIR)" initiative focusses on interdisciplinary research at all levels, bringing world leading experts together (on data mining, machine learning, big data, social simulation, complex network analysis, smart cities, ethics, media, health) into a scientific/educational/communication program.

Dates	July 2025 – June 2028
Occupation or position held	**Member of the Board of Directors**
Name and address of employer	**Trentino Digitale S.p.A.** (https://www.trentinodigitale.it/)
Type of business or sector	Trentino Digitale, an in-house ICT company for the digital transformation of the Trentino system. The company manages the provincial fiber-optic and radio telecommunications networks, including emergency networks, data centers, and cloud computing. It also develops and manages software and applications, including innovative ones, for the digital transformation of the Trentino region. Trentino Digitale's activities also include cybersecurity and support for the Autonomous Province of Trento's strategies for the deployment of ultra-broadband in Trentino.

Dates	April – September 2021
Occupation or position held	**Expert Member** in the **"Stati Generali del Lavoro" team**, composed by Permanent experts, special advisors and technical advisors identified by the Provincial Council in agreement with the Provincial Commission for Employment. https://ripartitrentino.provincia.tn.it/Gli-Stati-generali-del-lavoro
Name and address of employer	**Provincia Autonoma di Trento (Trento – Italy)**
Type of business or sector	Governance and Management, Research, Innovation Management, Entrepreneurial Education
Dates	March 2008 - December 2020
Occupation or position held	**Research Center Director - FBK ICT Irst: Center for Information and Communication Technology (**http://ict.fbk.eu/**)**
Name and address of employer	**FBK ICT Irst: Center for Information and Communication Technology (**http://ict.fbk.eu/**)** **FBK**: Fondazione Bruno Kessler (https://www.fbk.eu/) FBK ICT Irst (formerly called IRST) is an internationally renowned center established in 1986 for conducting research on Artificial Intelligence (AI). It was the first center in Italy fully dedicated to AI and it is one of the most recognized internationally in the field. In our thirty years of experience, we have been at the forefront of research on Automated Planning and Intelligent Control, Machine Learning and Data Analytics, Natural Language Processing, Computer Vision and Speech Recognition, Machine Translation, Automated Reasoning, Model Checking and Formal Verification. The Center consists of more than 250 people (including about 100 PhD Students), with a budget of about 15 million of Euros per year – direct costs, dedicated to Research and Development in AI. The Centre is active in bringing AI systems and technologies in several go-to-market projects in the sectors of Smart Digital Industry (Industry 4.0), Health and Well Being, Smart Cities and Communities, developing for tens of thousands of citizens applications based on AI tools and techniques. The Center is active in several AI projects with important companies, such as Boeing Seattle, ENI SAIPEM, FIAT Chrysler Automotive, eBay, Istituto Poligrafico e Zecca dello Stato, TIM, Engineering S.p.A., Unifarm. etc..
Main activities and responsibilities	Director, responsible for the overall functioning of the FBK ICT Irst, reporting to the FBK Governing Board and to the FBK Scientific Committee. Responsible for the strategic and scientific plan, the activity plan, the internal organization and the budget, which is proposed for approval to the FBK Governing Board; Management of a Center of more than 250 people – on average 90 Researchers (among which 15 Senior Researchers acting as Principal Investigators), 60 Project managers and developers, and 100 PhD Students. Responsible for the strategic plan proposal for years 2018-2021. The plan focuses on three main strategic objectives: (i) AI for Digital Society: AI for citizens to make cities and territories livable, enjoyable, and safe. (ii) AI for Health and Well Being: AI for humans who enjoy a healthy style of life. (iii) AI for Smart Digital Industry: AI that lets machines and people work together, in a more productive, safe, pleasant, enjoyable factory. The plan provides an internationalization strategy, as well as a FBK PhD program in collaboration with top universities at the international level.
Type of business or sector	Research Center Management and Governance, Definition and Execution of the Strategic Plan, Scientific Research in Artificial Intelligence and Computer Science.
Dates	March – April 2020
Occupation or position held	**Expert Member**
Employer	**Italian Ministry for the For Technological Innovation**
Main activities and responsibilities	Expert member of the Task Force for the use of data against the Covid-19 emergency (see https://innovazione.gov.it/DM-task-force/)
Type of business or sector	Scientific Research in Artificial Intelligence and Computer Science, Innovation.

Dates	April 2019 – present
Occupation or position held	**Expert Member of the Trentino Research Habitat (FORUM per la Ricerca)** https://forumperlaricerca.provincia.tn.it/
Name and address of employer	**Provincia Autonoma di Trento (Trento – Italy)**
Type of business or sector	Governance and Management, Research, Innovation Management, Entrepreneurial Education

Dates	January 2019 – December 2028
Occupation or position held	**Member of the Scientific Advisory Board**
Employer	**Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI**)
Type of business or sector	Governance and Management, Research, Innovation Management, Entrepreneurial Education. The German Research Center for Artificial Intelligence (DFKI) was founded in 1988 as a non-profit public-private partnership. It has research facilities in Kaiserslautern, Saarbrücken and Bremen, a project office in Berlin, a Laboratory in Niedersachsen and branch offices in Lübeck and Trier. In the field of innovative commercial software technology using Artificial Intelligence, DFKI is the leading research center in Germany. Based on application oriented basic research, DFKI develops product functions, prototypes and patentable solutions in the field of information and communication technology. Research and development projects are conducted in 24 research departments, nine competence centers and eight living labs. Funding is received from government agencies like the European Union, the Federal Ministry of Education and Research (BMBF), the Federal Ministry for Economic Affairs and Energy (BMWi), the German Federal States and the German Research Foundation (DFG), as well as from cooperation with industrial partners. Twice a year, a committee of internationally renowned experts (Scientific Advisory Board) audits the progress and results of state-funded projects.

Dates	February 2017 – February 2019
Occupation or position held	**Chair of the Node Strategy Committee and Member of the Governing Board of EIT Digital Italy (**https://www.eitdigital.eu/**)**
Name and address of employer	**EIT Digital Italy – European Institute of Innovation and Technology**
Main activities and responsibilities	Member of the Governing Board of EIT Digital Italy, Chair of the Node Strategy Committee. EIT Digital Italy is the foundation acting as the Italian National Node of EIT Digital, the European Institute of Innovation and Technology in ICT. EIT Digital mission is to drive Europe's digital innovation and transformation. EIT Digital Italy clusters leading ICT players in Italy. The Node Strategy Committee includes members from main industrial key players, such as British Telecom, COMAU, Engineering Ingegneria Informatica, Ericsson, Expert Systems, FCA (Fiat Chrysler Automotive), GFT Technologies SE (Gesellschaft für Technologietransfer), IBM, Olivetti, Poste Italiane, Reply, SIA, Siemens, STMicroelectronics, TIM. It also includes important research centers, such as Cefriel, CNR, FBK and ISMB, and academic institutions like the Polytechnic University of Milan and Turin (Politecnico di Milano, Politecnico di Torino), University of Bologna, University of Trento. EIT Digital in Italy has its Co-Location Centre in Trento and a Satellite Co-Location Centre in Milan.
Type of business or sector	Governance and Management, Innovation Management, Entrepreneurial Education

Dates	December 2010 – June 2014
Occupation or position held	**Director**
Name and address of employer	**Trento Research Innovation and Education System**
Main activities and responsibilities	Director of the Trento Research, Innovation, and Education System, an Association between FBK and the University of Trento. Responsible for the overall functioning of the association, the innovation plan and the budget. Management of the three ERB units – Education, Research Policy, and Business Unit. The Education Unit goal was to inject innovation and entrepreneurship in the ICT based education system (both at the master and at the doctoral level). The Research Policy unit aimed at fund raising and promoting the Trentino research and innovation system at the international level. The Business Unit had two main action lines: The Innovation through Existing Companies - mainly pursued through the launch of Pre-Commercial Procurement projects, and a New Business Creation line. We launched TechPeaks, the "people accelerator", a call for start uppers, which attracted several young entrepreneurs in Trentino. Voluntary resignation on June 19, 2014.
Type of business or sector	Management and Governance, Digital Transformation, Innovation, Education

Dates	January 2009 – December 2011
Occupation or position held	**Leader of the EIT Digital National Italian Node Proposal**
Main activities and responsibilities	Leader of the proposal for an Italian National Node of EIT Digital (formerly EIT ICT Labs).The proposal joined FBK, the University of Trento, Telecom Italia, and Engineering as core partners; CNR, Politecnico Milano, Politecnico Torino, Scuola Superiore Sant'Anna, and University of Bologna as scientific affiliated partners; FCA and ST-Microelectronics as industrial affiliated partners. In June 2011, Frankfurt: submission and presentation of the proposal to the EIT ICT Labs Governing Board, the Executive Steering Board (ESB). In September 2011: Approval by the EIT ICT Labs General Assembly. From September until December 2011: Preparation and set up of the EIT ICT Labs Italian National Node, which became operational in January 2012.
Type of business or sector	Management for Research, Innovation, and Entrepreneurial Education

Dates	January 2007 – March 2008
Occupation or position held	**Member of the FBK Building Team**
Name and address of employer	**Istituto Trentino di Cultura → Fondazione Bruno Kessler (FBK)**, Trento, Italy
Main activities and responsibilities	The "Building Team" was a Supervisory Committee appointed by the "Istituto Trentino di Cultura" (ITC) Governing Board to design and start up the transition from the Local Government Public Body "Istituto Trentino di Cultura" to FBK, the Bruno Kessler Foundation. The job included the definition of a research and innovation strategy for the future FBK, the definition of the organization of the scientific part of FBK, and the selection of researchers responsible for the different research groups.
Type of business or sector	Research Management, Scientific Research

Dates	November 1999 – December 2006
Occupation or position held	**Head of Division**, the IRST Automated Reasoning Systems (SRA) Division, ITC IRST
Name and address of employer	**IRST – Istituto per la Ricerca Scientifica e Tecnologica, Istituto Trentino di Cultura** (Trento, Italy)
	Head of Division: Responsible for the management, the budget and the personnel of the SRA Division, about 80 people (Researchers and Developers) in the last years. The Division was active in research in Artificial Intelligence, including Machine Learning, Automated Deduction, Automated Planning and Scheduling, Intelligent Control, Automated Software Engineering, Data Analysis, Semantics, Distributed and Embedded Systems. The division grew from about 30 to about 80 people due to excellent scientific results that allowed the division to obtain funds, mainly based on competitive grants and industrial projects, for supporting research projects and additional scientific staff.
Main activities and responsibilities	Research Management, Scientific Research in Artificial Intelligence and Computer Science

Dates	1996 – 1999
Occupation or position held	**Head of the Research Unit "Software Development and Validation" (VIVA)**
Name and address of employer	**IRST – Istituto per la Ricerca Scientifica e Tecnologica, Istituto Trentino di Cultura** (Trento, Italy)
Main activities and responsibilities	Responsible for the scientific plan of the research unit and for the achievement of scientific results, e.g., quality of publications, acquisition of projects (competitive grants and projects with companies), and the scientific growth of researchers in the group: The VIVA Research Unit consisted of about 10 - 15 researchers in different years. The research group was active in research in Artificial Intelligence, including Automated Deduction, Automated Planning and Scheduling, Intelligent Control, AI for Distributed and Embedded Systems.
Type of business or sector	Research Management, Scientific Research in Artificial Intelligence

Dates	1993 - 1996
Occupation or position held	**Project Leader**
Name and address of employer	**IRST – Istituto per la Ricerca Scientifica e Tecnologica, Istituto Trentino di Cultura** (Trento, Italy)
Main activities and responsibilities	Project leader of **Industrial Projects** in the field of "Safety Critical Systems" with different Companies, among which:

- Ansaldo Segnalamento Ferroviario, Genova, Italy: Automated Validation of Interlocking System,
- Ansaldo Trasporti, Genova, Italy: Design and Validation of the Radio Block Center for High Speed Railway Transportation,
- Union Switch and Signal (US&S), Pittsburgh, USA: Run-time Verification of VFRAME, a component of a US&S software driven vital architecture,
- Alenia Avionica S.p.A., Torino, Italy: Techniques for Integrating Safety Analysis into the Design Process,
- Invensys, Belluno, Italy: Standard Systems for Custom Control, Design and Development of Microcontrollers for Industrial applications,
- DoCoMo Eurolabs, Munchen, Germany: "Your Way" - Mobile User Centric Services

Project leader of **European and National Research Projects**, among which:

- Project Leader and Scientific Coordinator of the 3 years MIUR National Basic Research (FIRB) Project - "Knowledge Level Automated Software engineering (KLASE)",
- Responsible at FBK for the VII Framework European Project "SLA@SOI",
- Steering Committee of The European Network of Excellence on Software, Systems and Services (S-Cube),
- The Future Emerging Technologies (FET) European Project on "Adaptable Pervasive Flows (ALLOW)",
- Scientific Coordinator of EDAMOK "Enabling the Distributed and Autonomous Management of Knowledge", funded by the Autonomous Province of Trento,
- Scientific Coordinator of DOVES "Development of Autonomous and Verified Software". Project for the Italian Space Agency (ASI),
- FBK Coordinator for Innovanet "RoadMap for Mechanising Innovation and Scientific Discovery", European IST Project 2001-38422.

Dates	November 1989 – June 1990
Occupation or position held	**Visiting Researcher at the University of Edinburgh**
	Department of Artificial Intelligence, 80 South Bridge, Edinburgh, UK
Main activities and responsibilities	Research activities in prof. Alan Bundy's Group, research on Automated Deduction, Proof Checking, Metalevel Reasoning, and Proof Planning.

Dates	1989 – 1993
Occupation or position held	**Researcher**
Main activities and responsibilities	Scientific research
Name and address of employer	**IRST – Istituto per la Ricerca Scientifica e Tecnologica, Istituto Trentino di Cultura (Trento, Italy)**
Type of business or sector	Scientific Research in Artificial Intelligence

Dates	March 1985 – April 1989
Occupation or position held	**Employee ("Senior" since January 1987)**
Name and address of employer	**Andersen & Co, Management Information Consulting** Advanced Technologies Department Milano, Italy
Type of business or sector	Management, Consulting, ICT Design and development
	January 1989–March 1989: Information System for "Sasso Marconi Municipality", Bologna, Italy
	October 1988–January 1988: Automated Factory Project, Erba (Como), Italy
	November 1987–October 1988: Project Manager at the "Andersen Advanced Techs and Tools Lab", London (UK)
	July 1986–October 1987: Analyst & Developer at the "Artifcial Intelligence Group of Olivetti", Ivrea (Torino), Italy
	January 1986–July 1986: Analyst & Developer at the "Andersen Artificial Intelligence Department", Chicago, IL (USA)
	May 1985–December 1986: Programmer at Rinascente Sistemi Informativi, Milano, Italy
	March 1985 – April 1995: Andersen School, Chicago, IL (USA)

ACADEMIC & TEACHING EXPERIENCE	2015 - 2016: member of the Doctoral School Committee ("Collegio dei Docenti") in the MIUR formally qualified joint DEI-FBK PhD program proposal at the Electronics, Engineering, Telecommunications and Information Technology (ET-IT), University of Bologna.
	2018- present: Member of the Evaluation Committee of the "Dipartimento di Psicologia e Scienze Cognitive", University of Trento.
	2010 Invited Tutorial on "*Planning for the Future Internet of Services*" at the International Conference on Automated Planning (ICAPS 2010).
	2009: Invited 3 Days Tutorial at the MIMOS Research Center, Tutorial on "Semantic Technologies and Knowledge Engineering for Software Services", Kuala Lumpur, Malaysia.
	2002 - 2006: Doctoral School Committee ("Collegio dei Docenti") of the ICT International Doctoral School of the University of Trento.
	2003 – 2004: Teaching Professor of the Course "Automated Planning and Scheduling" of the ICT International Doctoral School of the University of Trento.
	1994 – 1995: Adjunct Professor, Dipartimento di Informatica e Studi Aziendali (DISA), Università di Trento.
	1993 - 1994: Adjunct Professor, Dipartimento di Informatica ed Elettronica (DIE), Università di Genova.
	1987: Teacher of the "Advanced course in Design & Development", Andersen & Co., St. Charles, Chicago, IL (USA).

EDUCATION AND TRAINING

Dates	1985
Title of qualification awarded	Degree in Electronic Engineering (*Laurea Magna cum laude*, 110/110)
Name and type of organisation providing education and training	Università degli Studi di Genova - Genova, Italy
Principal subjects/skills covered	Electronic Engineering, Artificial Intelligence, Computer Science

RESEARCH INTERESTS	Artificial Intelligence, Automated Planning, Acting and Learning, Neurosymbolic Dynamic Systems, Automated Verification and Synthesis

PROGRAM, GENERAL AND AREA CHAIR	- Member of the Scientific organizing Committee of the Workshop "**DL2023 - DEEP LEARNING: Theory, Algorithms, and Applications 2023**". Trento, 21-23 June 2023. - General Chair of the **17th National Conference on Artificial Intelligence** (AI*IA 2018). Trento (Italy), 20-23 November 2018 - Program Co-Chair of **WEBIST 2017 - 13th International Conference on Web Information Systems and Technologies**. Porto (Portugal) 25-27 April 2017 - Co-chair of the **panel "Digitising Manufacturing"** dealing with AI application in future industries, held during the **G20 Summit**. Berlin, 17 March 2017. - Program Co-Chair of **WEBIST 2016 - 12th International Conference on Web Information Systems and Technologies**. Rome (Italy) 23-25 June 2016 - Program Chair of the **6th European Semantic Web Conference** (ESWC 2009), 31st May-4th June 2009, Crete - Greece. - Program Chair of the **Future Internet Symposium (FIS)**, in September 2008, Wien (Austria). - Program Chair of the **13th International Conference on Artificial Intelligence: Methodology, Systems, Applications** (AIMSA'08), September, 2008 Varna, Bulgaria. - Program Committee Area Chair of the **18th European Conference on Artificial Intelligence** (ECAI 2008), 21 - 25 July 2008, Patras, Greece. - Program Co-chair of the **Third International Conference on Service Oriented Computing (ICSOC'05)**, December 12 - 16, 2005 Amsterdam, Netherlands. - General Chair of the **Second International Conference on Service Oriented Computing (ICSOC'04)**, November 15 - 18, 2004, New York City, NY, USA. - Program Co-chair of the **Sixth International Conference on Artificial Intelligence Planning and Scheduling** (AIPS'2002), April 23 - 27, 2002 Toulouse, France. - Program Committee Area Chair of the **15th European Conference on Artificial Intelligence** (ECAI 2002), 22 - 26 July 2002, Lyon, France. - General Chair of the **Workshop on Services Oriented Computing: Models, Architectures and Applications**, January 27-31, 2003 Orlando, Florida, USA. - Program Co-chair of the **Workshop on Model-Theoretic Approaches to Planning**, April 14, 2000, Breckenridge, CO, USA. - Program Co-chair of the **Workshop on Run-Time Result Verification** (RTRV99), Trento, Italy, July 1999.

SCIENTIFIC COMMITTEES

- Member of the Scientific organizing Committee of the workshop **DL2023 - Deep Learning: Theory, Algorithms, and Applications 2023**. Trento (Italy), June 21-23, 2023.

- Program Committee member of the **ICAPS 2022 - 32nd International Conference on Automated Planning and Scheduling**, Singapore, June 2022.

- Program Committee member of the **37th Conference on Uncertainty in Artificial Intelligence** (**UAI 2021**), July 27-30, 2021.

- Senior Program Committee member at **IJCAI-PRICAI 2020**, the 29th International Joint Conference on Artificial Intelligence and the 17th Pacific Rim International Conference on Artificial Intelligence. July 11-17, 2020, Yokohama, Japan.

- Program Committee member of the **Global Forum on AI for Humanity**. Paris (France), October 28-30, 2019.

- Senior Program Committee member at **IJCAI-2019**, 28th International Joint Conference on Artificial Intelligence. August 10-16, 2019, Macao, China.

- Program Committee member for **ICAPS 2019** – 29th International Conference on Automated Planning and Scheduling. July 11-15, 2019, in Berkeley, CA, USA.

- Program Committee member for the 33rd AAAI Conference on Artificial Intelligence (**AAAI-19**). January 27 - February 1, 2019, Honolulu, Hawaii, USA.

- Senior Program Committee member (SPC) for the 27th International Joint Conference on Artificial Intelligence and the 23rd European Conference on Artificial Intelligence (**IJCAI-2018**). Stockholm, Sweden, 13-19 August 2018.

- Member of the **MOCHAP 2014** (International Workshop on Model Checking and Automated Planning) Program Committee. Portsmouth, USA, June 21-26, 2014.

- Member of the **MPPU 2014** (International Workshop on Models and Paradigms for Planning under Uncertainty) Program Committee. Portsmouth, USA, June 21-26, 2014.

- Member of the Advisory Committee of the International Joint Conference on Artificial Intelligence (**IJCAI'11**). Barcelona (Spain), July 16-22, 2011.

- Member of the Senior Program Committee for the **20th International Conference of Automated Planning and Scheduling** - Toronto (Canada), May 12-16, 2010.

- Member of the **Scientific Steering Committee of the European Semantic Web Conference Series** (SSCESWCS)

- Member of the Steering Committee of the **International Conference on Service Oriented Computing (ICSOC)**

- Member of the Executive Council of **the International Conference on Automated Planning and Scheduling** (ICAPS)

- Steering Committee of **AFRICOMM 2009 - 1st International Conference on e-Services for Developing Countries**, Maputo (Mozambique), 3-4 December 2009

- Co-organizer of **the 17th European Conference on Artificial Intelligence**, Riva del Garda, Italy / Aug 28th - Sept 1st ,2006;

- Conference / Local Arrangements Chair the **International Conference on Automated Deduction CADE-16** (in conjunction with FLoC'99), Trento, Italy, July 1999 (Springer LNAI 1632)

EDITORIAL BOARDS

- Member of the Editorial Board of *AI Perspectives*, SpringerOpen – from 2018

- Member of the Editorial Board of **Journal of Artificial Intelligence Research** (JAIR), Morgan Kaufmann Publishers - from 2001 to 2007

- Member of the Editorial Board of **Electronic Transaction on Artificial Intelligence Research** (ETAI)

- Member of the Editorial Board of **Journal of Applied Logic** (JAL), Elsevier Publisher

- Member of the Editorial Board of **Artificial Intelligent Review** (2009 - 2011)

CO-EDITOR OF PROCEEDINGS

- *AI*IA 2018 - Advances in Artificial Intelligence - XVIIth International Conference of the Italian Association for Artificial Intelligence.* Trento, Italy, November 20-23, 2018, Proceedings. Lecture Notes in Computer Science 11298, Springer 2018, ISBN 978-3-030-03839-7

- *Web Information Systems and Technologies - 13th International Conference, WEBIST 2017, Revised Selected Papers.* Porto, Portugal, April 25–27, 2017, Revised Selected Papers. Springer, LNBIP 322, 2018. ISBN 978-3-319-93527-0

- *WEBIST 2016 Proceedings of the 12th International Conference on Web Information Systems and Technologies.* ISBN: 978-989-758-186-1, SCITEPRESS 2016.

- *At Your Service: Service-Oriented Computing from an EU Perspective,* (Cooperative Information Systems), MIT Press, 2009

- *The Semantic Web: Research and Applications, 6th European Semantic Web Conference, ESWC 2009,* Springer, 2009

- Proceedings of the 13th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA'08), Springer Verlag

- Proceedings of the 17th European Conference in Artificial Intelligence (ECAI'06), IOS press

- Proceedings of the 3rd International Conference on Service Oriented Computing (ICSOC'05), Springer Verlag

- Special Issue on Formal Methods of the International Journal on Software Tools for Technology Transfer (STTT), Springer Verlag (2000)

- Proceedings of Applied Formal Methods (FM-Trends 98), Lecture Notes in Computer Sciences, Springer Verlag

- Proceedings of the Sixth International Conference on AI Planning and Scheduling (AIPS'2002), AAAI press.(KI)

- AIPS2000 Workshop on Model-Theoretic Approaches to Planning

- FM-Trends 98 – Applied Formal Methods, Springer Verlag

SERVICE TO THE SCIENTIFIC COMMUNITY

- **AI Grid Ambassador** for Italy;

- Member of the **National Academy of Artificial Intelligence** (NAAI);

- Fellow of **Industry Academy within the International Artificial Intelligence Industry Alliance** (AIIA, www.aiia-ai.org) – June 2024-present;

- Member of the Scientific Committee of the **D34Health - Digital Driven Diagnostics Foundation** (January 2024-present);

- Fellow of the **Asia-Pacific Artificial Intelligence Association – AAIA** (October 2022-present);

- Member of the Steering Board of **CLAIRE AISL** (July 2022-present);

- Member of the **Scientific Advisory Board of the FIWARE Foundation** (2021-2024);

- 2020 Member of the Evaluation Committee «**Doctorals Contracts AI**» of **ANR** (Agence Nationale de la Recherche), Paris (France), 2020;

- Member of the **Management Committee of the National Laboratory on Artificial Intelligence and Intelligent Systems** (funded in 2018 by CINI - National Interuniversity Consortium for Informatics), 2018-2022;

- Member of the **Industry Advisory Group on Planning and Scheduling** of **CLAIRE.org** (Confederation of Laboratories for Artificial Intelligence Research in Europe), 2019-present;

- Member of the **Steering Committee of AICA – Italian Association for Computer Science and Automated Computing** 2019-2020;

- Member of the **Impact Committee** for the "Departments of excellence" initiative (Article 1, paragraphs 314-338, of Law 232/2016) of the **Department of Psychology and Cognitive Science – University of Trento**, July 2018-June 2022;

- Fellow of **the European Coordinating Committee for Artificial Intelligence** (EurAI - ECCAI), 2005-present;

- Member of the **Scientific Advisory Board of the KNOW-CENTER**, Graz (Austria), 2009-2011;

- Member of **the Board of the European Coordinating Committee for Artificial Intelligence** (ECCAI), 2008-2011;

- Member of **the Board of Directors of the Italian Association for Artificial Intelligence** (AI*IA), from 2002 to 2006;

- Steering Committee Member of the **European Network of Excellence on Software, Systems and Services (S-Cube)**.

AWARDS	• Certificate of Fellowship: **EurAI/ECCAI Fellow**, Fellow of the European Coordinating Committee for Artificial Intelligence.
	• Fellow of **Asia-Pacific Artificial Intelligence Association** (AAIA), 2022-present.
	• **ICAPS2020 Best Student Paper Honorable Mention**: "Integrating Acting, Planning, and Learning in Hierarchical Operational Models" by S. Patra, J. Mason, A. Kumar, M. Ghallab, P. Traverso and D. Nau.
	• **Honourable mention for the 2017 ICAPS Influential Paper Award**: "Automated Composition of Web Services by Planning in Asynchronous Domains" (ICAPS 2005).
	• **Honourable mention for the Most Influential Paper** at the 19th IEEE International requirements Engineering Conference 2011: "Model Checking Early Requirements Specifications in Tropos".
	• **Prize for the most influential paper, 2008**, at the International Conference on Automated Planning and Scheduling: "Planning as Model Checking: A Decision Procedure for AR".

KEYNOTE AND INVITED TALKS

- Invited speech at the Annual Symposium of the Amici del Pensiero "Sigmund Freud" Society. Milan (Italy), March 15, 2025.

- Invited speaker at "Innovation Bridge" Event. Frosinone, Italy, December 4, 2024.

- Invited speech at the international conference "AI: Balancing Liberty, Security and Democracy". Trento (Italy), November 22, 2024.

- Invited talk at the METS Summit "AI and other emerging technologies: case studies to discover the future of business". Milano, November 11, 2024.

- Keynote speech at the Summer School "From Data to Humans: (re)Tracing Artificial Intelligence" – D2H-AI. Rovereto – Trento, July 8, 2024. Title: *Augmented Intelligence*.

- Invited talk at the Meeting "SANOFI MED: quando la Sapienza umana incontra l'Intelligenza Artificiale". Rome, July 4, 2024. Title: *Intelligenza Artificiale: lo stato dell'arte, le potenzialità, i limiti.*

- Festival Economia 2024, invited speaker at the Panel on "Intelligenza artificiale: le strategie dei big tech", Trento, May 24, 2024.

- GALILEO– Festival della Scienza e Innovazione 2024. Invited speaker at the Panel on panel "Intelligenza Artificiale e Utilizzo dei Big Data: Clima, Salute e robotica Padova, May 3, 2024

- Invited talk at the Workshop on Foundational Aspects of Neurosymbolic Computing (FANeSy), March 4-8, 2024, Santiago, Chile. Title: *Planning and Acting to Learn.*

- "Spotlight Seminars in AI" for the Italian Association for Artificial Intelligence, January 23, 2024 (on-line). Title: *Planning and Acting to Learn*.

- Lectio Magistralis "Verso l'Orizzonte dell'Intelligenza Articiale" presso ITT Marconi – Alta Formazione Tecnologica. Rovereto (Trento), 8 gennaio 2024.

- Lectio Magistralis "INTELLIGENZA ARTIFICIALE: QUALE FUTURO PER LA SALUTE?" presso Ospedale Santa Chiara di Trento, 23 novembre 2023

- Festival Economia 2023, Trento (Italy). Panel on "Chat Gpt, quando la macchina sostituisce l'uomo nella elaborazione dei pensieri", May 27, 2023.

- Festival Economia 2023, Trento (Italy). Panel on "Un'economia migliore grazie all'intelligenza artificiale", May 27, 2023.

- Course for the Scuola di Medicina Generale, Trento (Italy), May 31, 2023. Title "L'Intelligenza artificiale in Medicina: uno sguardo d'insieme".

- "Wired Next Fest 2023" (Rovereto, Italy), May 7, 2023. Title: "Convivere con nuove forme artificiali di intelligenza".

- Invited speaker at the Winter School WideHealth Winter School on Trustworthy AI, Potsdam (D), 16 March 2023. Title: "AI Revolution is here: is it only about data?"

- Invited lecture for the inauguration of the course on "Artificial Intelligence and Law" at University of Trento, 6 March 2023. Title: "Artificial Intelligence: Past, Present and … Future?"

- Invited speaker at the conference organized by Confindustria Brescia "Oltre le Colonne d'Ercole ovvero viaggio nella smaterializzazione dell'impresa". Brescia (Italy) November 22, 2022 (https://www.confindustriabrescia.it/contenuto/summit-2030---xii-edizione-oltre-le-colonne-d-7868).

- Invited speaker for the managerial training Course organized by the Autonomous province of Trento on "Artificial Intelligence and Big Data in Health Care". Trento, November 10, 2022. Title: "Artificial Intelligence: an opportunity for science and medicine".

- Lectio Magistralis for the 7th National Congress of SIPMeL 2022 (Riva del Garda, Italy, 17 October 2022). Title "*Intelligenza Artificiale: Le Tecniche e le Applicazioni, nel Presente e nel Futuro*" (https://www.sipmel.it/it/attivita/congressonazionale/118727);

- Invited speaker in the Round Table at the "Biolaw Days 2022" conference, organized by the University of Trento (https://www.biodiritto.org/Attivita/Eventi/Calendario/BioLaw-Days-2022-I-20-anni-del-Progetto-BioDiritto). Trento, Sept. 30, 2022.

- Invited speaker for the "Technology Forum Life Sciences Week 2022 - Le nuove frontiere nelle Science della Vita: l'Intelligenza Artificiale per la medicina", organized by The European House Ambrosetti (30 September 2022, Rovereto, Italy).

KEYNOTE AND INVITED TALKS

- Invited talk for the "3rd Forum Meridiano Sanità Sicilia - La trasformazione digitale della sanità e della società per una crescita e uno sviluppo sostenibile" organized by The European House Ambrosetti (Siracusa, Italy, 1 July 2022). Title: "*Intelligenza Artificiale in sanità: quali impatti per l'organizzazione del sistema*";

- Invited speaker in the Round Table on Artificial Intelligence at the "2022 ICT4INTEL conference". Rome (Italy), 7 June 2022. Title:

- Invited talk for the course for "CYBERAVVOCATO" organized by the *Camera Civile di Roma and Cassa Forense*. Rome (Italy), January 28, 2022. Title: *Introduction to Artificial Intelligence*.

- Invited speaker at "THINK AHEAD: UNO SGUARDO AL FUTURO". Webinar by Ambrosetti European House, July 6, 2021. Talk title: "Le nuove frontiere della Digital Health".

- Invited speaker at "Big Data, AI & HPC Conference", 3 June 2021. Event organised by the Embassy of Italy in South Africa and the SA Department of Science and Innovation.

- Invited panelist at "EUROPEAN VISION FOR AI 2021", April 22, 2021.

- Masterclass at Web Summit 2020 (December 2, 2020). Title: "AI for health in an open public-private ecosystem".

- Invited discussant at AI & Data Forum Live (November 17, 2020). Invited talk at the IT Director Forum (Richmond Italia, November 16-17, 2020).

- Invited discussant at the Forbes Digital Event (October 23, 2020): Title "Le tecnologie abilitanti. Come il digitale cambia il modo di vivere e produrre: dalla fabbrica ai campi, passando per la (nostra) salute". Invited discussant at the Second Conference of the International Society of Public Law (ICON•S Italian Chapter). Florence (Italy), November 23, 2019.

- Invited discussant at the Conference on the Ethical and Legal Status of Artificial Intelligence, organized by the Leonardo Civiltà delle Macchine Foundation. Rome (Italy, Camera dei Deputati, November 21-22, 2019.

- Invited talk at TEDxTrento 2019, Trento (Italy) on 16 November 2019. Title "Intelligenza Artificiale, la realtà e il sogno, superando le paure".

- Invited discussant at the Global Forum on AI for Humanity (GFAIH). Paris (France), 28-30 October 2019.

- IEEE Workshop Symbiotic Autonomous System (TTM SAS), San Diego (California), October 30, 2018. Title "Planning for autonomous systems in the Trentino Region".

- IEEE 4th World Forum on Internet of Things. 05-08 February 2018 – Singapore. Title: "Practical Use of IoT Data to Make the City Smarter and Smarter".SMAP 2015 - 10th International Workshop on Semantic and Social Media Adaptation and Personalization. November 5-6, 2015, Trento, Italy. Title "From Smart Cities to Smart Communities: The Case of Children's Independent Mobility".

- MOCHAP 2015 - Workshop on Model-Checking and Automated Planning. Jerusalem (Israel), June 7, 2015. Title: "20 Years of Planning Via Model Checking: From Theory to Practice".

- WEBIST / CLOSER / SMARTGREENS 2015. Lisbon (Portugal), May 20-22, 2015. Title: "Change alone is Unchanging: Continuous Context-Aware Adaptation of Service-based Systems for Smart Cities and Communities".

- 13th International Semantic Web Conference (ISWC 2014). Riva Del Garda, Trentino (Italy), 19-23 October 2014.

- European Conference on Service-Oriented and Cloud Computing (ESOCC 2012). Bertinoro, Italy, 19-21 September 2012.

- 3rd Karlsruhe Service Summit. Karlsruhe, Germany, 27 January 2012.

KEYNOTE AND INVITED TALKS

- KTH Research Platforms - International Scientific Advisory Board 2011. Stockholm, Sweden, 25-27 October 2011. Title: "The Role of ICT in Meeting Global Challenges".
- The 3rd Workshop on Non-Functional Properties and SLA Management in Service-Oriented Computing (NFPSLAM-SOC'09). Stockholm, Sweden, 23rd November 2009. Title: "Towards a Future Internet of Services".
- ICAPS 2009 Workshop on "Generalized Planning: Macros, Loops, Domain Control". Thessaloniki (Greece), September 2009. Title: "When Planning for Generalized Plans is a Must: The Case of Software Service Composition & Monitoring".
- I-KNOW'09, 9th International Conference on Knowledge Management and Knowledge Technologies. Graz (Austria), 2-4 September 2009. Title: "Towards a Future Internet of Services and Content".
- First Malaysian Conference on Semantic Technology and Knowledge Engineering Conference (STAKE 2009). July 20-21, Kuala Lumpur, Malaysia. Title: "Software Services, Semantics and ... Internet".
- 2nd IEEE Int. Workshop on Requirements Engineering For Services (REFS), to be held in conjunction with COMPSAC'08 - The 32nd IEEE Conference on Software and Applications, in Turku, Finland, July 28- August 1, 2008. Title: "Service Oriented Software: From Requirements to Design Time Composition and to Run Time Monitoring".
- Spanish Conference of the Spanish Association for Artificial Intelligence (CAEPIA), 2007, Salamanca, Spain. Title: "Artificial Intelligence for Web Services: Myths and Reality".
- IEEE Int. Conference on Software Maintenance (IEEE ICSM) 2007, Paris, France. Title: "Agree or Change! Making Services Evolve".
- ICSOC PhD Symposium 2007, September, Vienna, Austria. Title: "Service-oriented Computing from Design-time to Run-time: Some Research Challenges" International Workshop on Automated Specification and Verification of Web Sites, Venice, December, 2007. Title: "Design-time and Run-time Analysis of Web Service Compositions"
- International Workshop on Semantic Data and Service Integration (SDSI 2007), Vienna, Austria, September 2007, in conjunction with VLDB 2007 - International Conference on Very Large Data Bases. Title: "Service Integration".
- International Workshop on Service Oriented Software Engineering (IW-SOSE '06). May 27-28, 2006, Shanghai" China. Title: "Supporting the Composition of Distributed Business Processes"
- AAAI 2001 Spring Symposium on Model-based Validation of Intelligence, March 26-28, 2001. Stanford University, Stanford, California, USA. Talk Title: "Model Checking and Planning"
- European Space Research and Technology Centre (ESTEC) Workshop on On-Board Autonomy, 17th-19th October, 2001, Noordwijk, NL. Title: "Methods and Tools for Formal Software Verification and Autonomy Validation"
- IJCAI-01 Workshop on Planning under Uncertainty and Incomplete Information, August 6, 2001. Seattle, USA. Title: "Planning under Uncertainty by Model Checking"
- Informatics Jamboree, 23-25 May, 2001, Division of Informatics, University of Edinburgh. Title: "Planning as Model Checking"
- ESSLLI-98 Workshop on Reasoning about Actions: Foundations and Applications, 10th European Summer School in Logic, Language and Information, Saarbruecken, Germania, Agosto 17 - 28, 1998. Title: "Planning via Model Checking".

Trento, July 2025