

**Europass  
Curriculum Vitae**  
February 2017



**PERSONAL INFORMATION**

First name / Surname

**Paolo Traverso**

Address (work)

FBK ICT irst – Center for Information and Communication Technology  
Fondazione Bruno Kessler  
Via Sommarive 18, Povo  
I-38123 Trento, ITALY

E-mail

traverso@fbk.eu

URL

<http://ict.fbk.eu/traverso>

Nationality

Italian

Date of birth

8<sup>th</sup> June 1960

Gender

Male

**WORK EXPERIENCE**

Dates

March 2008 - present

Occupation or position held

**Director**

Name and address of employer

**Center for Information and Communication Technology – IRST (FBK ICT irst)**  
Fondazione Bruno Kessler  
<http://ict.fbk.eu/>

Main activities and responsibilities

Research Center of about 200 researchers and developers working on engineering, content, and interaction.  
Responsible for the overall functioning of the FBK ICT-IRST, reporting to the FBK Board of Directors and to the FBK Scientific Committee. Responsible for the scientific plan, the activity plan, the internal organization and the budget, which is proposed for approval to the Board of Directors; Management of a Center of about 200 people – on average 80 Researchers (among which 12 Senior Researchers), 60 Project managers and Technologists, and 60 PhD Students. The Budget of the Center is on average in the range of 11-12 Million Euros per year (direct costs not including central administration costs). Responsible for the strategic plan proposal for years 2014-2018: The plan proposes an organization of the Centre in three research lines and three high impact initiatives dedicated to impact on market and society, an internationalization strategy, and a set of initiatives for an FBK PhD program in collaboration with top universities at the international level.

Type of business or sector

Scientific Research, Computer Science, Artificial Intelligence.

Dates

February 2017 – present

Occupation or position held

**Chair Node Strategy Committee**

Name and address of employer

**EIT Digital Italian Co-Location Centre**

Main activities and responsibilities	Italian Node (Co-Location Centre) of EIT Digital (formerly EIT ICT, <a href="http://www.eitdigital.eu">www.eitdigital.eu</a> ). The Italian node clusters leading ICT players in Italy. The core partners of the EIT Digital Italy are Engineering Ingegneria Informatica, Fondazione Bruno Kessler, TIM, and Università degli Studi di Trento. The affiliate academic partners are Alma Mater Studiorum Università di Bologna, Consiglio Nazionale delle Ricerche, Politecnico di Milano, Politecnico di Torino. The affiliate industrial partners are CEFRIEL, Centro Ricerche Fiat, Poste Italiane, Reply, and STMicroelectronics. EIT Digital in Italy has its Co-Location Centre (CLC) in Trento and from 2014 a Satellite Co-Location Centre in Milan.
Type of business or sector	Scientific Research, Innovation, ICT, Education
Dates	December 2010 – June 2014
Occupation or position held	<b>CEO (Chief Executive Officer)</b>
Name and address of employer	<b>Associazione Trento RISE</b> (Trento, Italy)
Main activities and responsibilities	Director of Trento RISE, the 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, which was 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 14, 2014.
Type of business or sector	Scientific Research, Computer Science, Innovation, Education
Dates	January 2009 – December 2011
Occupation or position held	<b>Leader of the EIT ICT Labs Trento Node Proposal</b>
Main activities and responsibilities	The first proposal was for Trento as an Associate Partner of the EIT ICT Labs, the European Institute on Innovation and Technology in ICT. The proposal was successfully approved in December 2010. Afterwards, the proposal for Trento as a full node was developed at the national level. It included the following partners: Trento RISE, Telecom Italia, and Engineering as core partners; CNR, Politecnico Milano, Politecnico Torino, Scuola Superiore S. Anna, and University of Bologna as scientific affiliated partners; CRF FIAT 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 Trento Node, which became operational in January 2012 as the sixth full node.
Type of business or sector	Scientific Research, Innovation, Education, ICT
Dates	January 2007 – March 2008
Occupation or position held	<b>Member of the FBK Building Team</b>
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 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	Management, Scientific Research

Dates	November 1999 – December 2006
Occupation or position held	<b>Head of Division, the IRST Automated Reasoning Systems (SRA) Division, ITC IRST</b>
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 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, Software Engineering, Data and Knowledge Management, Service Oriented and Distributed Applications, 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.
Type of business or sector	Scientific Research, Computer Science
Dates	1996 - 1999
Occupation or position held	<b>Head of the Research Unit "Software Development and Validation" (VIVA)</b>
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.
Type of business or sector	Scientific Research, Computer Science
Dates	1993 - 1996
Occupation or position held	<b>Project Leader</b>
Name and address of employer	<b>IRST – Istituto per la Ricerca Scientifica e Tecnologica, Istituto Trentino di Cultura (Trento, Italy)</b>
Main activities and responsibilities	<p>Project leader of industrial Projects in the field of "Safety Critical Systems" with different Companies, among which:</p> <ul style="list-style-type: none"> <li>• Ansaldo Segnalamento Ferroviario, Genova, Italy: Validation of Interlocking System,</li> <li>• Ansaldo Trasporti, Genova, Italy: Design and Validation of the Radio Block Center for High Speed Railway Transportation,</li> <li>• Union Switch and Signal (US&amp;S), Pittsburgh, USA: Run-time Verification of VFRAME, a component of a US&amp;S software driven vital architecture,</li> <li>• Alenia Avionica S.p.A., Torino, Italy: Techniques for Integrating Safety Analysis into the Design Process,</li> <li>• Invensys, Belluno, Italy: Standard Systems for Custom Control, Design and Development of Microcontrollers for Industrial applications,</li> <li>• DoCoMo Eurolabs, Munchen, Germany: "Your Way" - Mobile User Centric Services</li> </ul> <p>Project leader of European and National Research Projects, among which:</p> <ul style="list-style-type: none"> <li>• Project Leader and Scientific Coordinator of the 3 years MIUR National Basic Research (FIRB) Project - "Knowledge Level Automated Software engineering (KLASE)",</li> <li>• Responsible at FBK for the VII Framework European Project "SLA@SOI",</li> <li>• Steering Committee of The European Network of Excellence on Software, Systems and Services (S-Cube),</li> <li>• The Future Emerging Technologies (FET) European Project on "Adaptable Pervasive Flows (ALLOW)",</li> <li>• Scientific Coordinator of EDAMOK "Enabling the Distributed and Autonomous Management of Knowledge", funded by the Autonomous Province of Trento,</li> <li>• Scientific Coordinator of DOVES "Development of Autonomous and Verified Software". Project for the Italian Space Agency (ASI),</li> <li>• FBK Coordinator for Innovanet "RoadMap for Mechanising Innovation and Scientific Discovery", European IST Project 2001-38422.</li> </ul>
Dates	November 1989 – June 1990

Occupation or position held	<b>Visiting Researcher at the University of Edinburgh</b>
Main activities and responsibilities	Department of Artificial Intelligence, 80 South Bridge, Edinburgh, UK 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	<b>Researcher</b>
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, Computer Science, Artificial Intelligence
Dates	March 1985 – April 1989
Occupation or position held	<b>Employee ("Senior" since January 1987)</b>
Name and address of employer	Andersen & Co, Management Information Consulting () Advanced Technologies Department Milano, Italy
Type of business or sector	Management and Consulting
Main activities and responsibilities	January 1989 – March 1989: Information System for "Sasso Marconi Municipality", Bologna, Italy October 1988 – January 1988: Automated Factory Demonstration, 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 "Expert Systems 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)
<b>ACADEMIC &amp; TEACHING EXPERIENCE</b>	2015 - present: 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. 2010: Invited Tutorial on " <i>Planning for the Future Internet of Services</i> " 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 ( <i>Laurea Magna cum laude</i> , 110/110)
Name and type of organisation providing education and training	Università degli Studi di Genova Genova, Italy
Principal subjects/skills covered	Electronic Engineering

## RESEARCH INTERESTS

Artificial Intelligence, Automated Planning, Software and Services, Automated Verification and Synthesis of software systems. Contribution to research in automated planning with a novel technique called "planning as model checking", which is now the basis for his work on supporting the automated composition and run-time monitoring of service oriented applications.

## PROGRAM, GENERAL AND AREA CHAIR

- Program Co-Chair of WEBIST 2017 - 13th International Conference on Web Information Systems and Technologies. Porto (Portugal) 25-27 April 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 AI 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, Aprile 14, 2000, Breckenridge, CO, USA.
- Program Co-chair of the Workshop on Run-Time Result Verification (RTRV99), Trento.

## SCIENTIFIC COMMITTEES

- Member of the MOCHAP 2014 (International Workshop on Model Checking and Automated Planning) Programme Committee. Portsmouth, USA, June 21-26, 2014.
- Member of the MPPU 2014 (International Workshop on Models and Paradigms for Planning under Uncertainty) Programme Committee. Portsmouth, USA, June 21-26, 2014.
- Member of the IJCAI'11 Advisory Committee. Barcelona (Spain), July 16-22, 2011.
- Member of the Senior Program Committee for ICAPS-2010, 20th International Conference on 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 Scientific Advisory Board of the KNOW-CENTER, Graz (Austria), 2009-present
- Fellow of the European Coordinating Committee for Artificial Intelligence (ECCAI), 2005-present
- 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)
- Member of the Editorial Board of the Journal of Artificial Intelligence Research (JAIR), Morgan Kaufmann Publishers - from 2001 to 2007
- Editorial Board of the Electronic Transaction on Artificial Intelligence Research (ETAI)
- Editorial Board of the Journal of Applied Logic (JAL), Elsevier Publisher
- Editorial Board of the International Journal of Cooperative Information Systems (IJCIS), World Scientific
- Editorial Board of the Artificial Intelligent Review (2009 - 2011)
- Board of Directors of the Italian Association for Artificial Intelligence (AI\*IA), from 2002 to 2006
- Steering Committee of AFRICOMM 2009 - 1st International Conference on e-Services for Developing Countries, Maputo (Mozambique), 3-4 December 2009
- Steering Committee Member of the European Network of Excellence on Software, Systems and Services (S-Cube).

## EDITORIAL BOARDS

- Member of the Editorial Board of the Journal of Artificial Intelligence Research (JAIR), Morgan Kaufmann Publishers - from 2001 to 2007
- Member of the Editorial Board of the Electronic Transaction on Artificial Intelligence Research (ETAI)
- Member of the Editorial Board of the Journal of Applied Logic (JAL), Elsevier Publisher
- Member of the Editorial Board of the Artificial Intelligent Review (2009 - 2011)

## CO-EDITOR OF PROCEEDINGS

- 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

- 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
- 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)

## AWARDS

- Certificate of Fellowship: ECCAI Fellow, Fellow of the European Coordinating Committee for Artificial Intelligence
- 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"
- Honourable mention for the Most Influential Paper at the 19th IEEE International requirements Engineering Conference 2011: "Model Checking Early Requirements Specifications in Tropos"
- Honourable mention for the 2017 ICAPS Influential Paper Award "Automated Composition of Web Services by Planning in Asynchronous Domains" (ICAPS 2005).

## KEYNOTE AND INVITED TALKS

- 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.
- 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 Sofyware: From Requirements to Design Time Composition and to Run Time Monitoring".
- IEEE Int. Conference on Software Maintenance (IEEE ICSM) 2007, Paris, France. Title: "Agree or Change! Making Services Evolve".
- Spanish Conference of the Spanish Association for Artificial Intelligence (CAEPIA), 2007, Salamanca, Spain. Title: "Artificial Intelligence for Web Services: Myths and Reality"
- 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"
- AAI 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, The Netherlands. 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, Saarbrueken, Germania, Agosto 17 - 28, 1998. Title: "Planning via Model Checking"



**PROFESSIONAL SKILLS AND  
COMPETENCES**

Management Skills: Director of FBK ICT-IRST, Director of TrentoRISE, Head of Division, Head of Research Unit, Project Leader of several International Research Projects, Project Leader of Several Industrial Projects, management experience in projects for public administration.

Scientific Skills: More than 100 refereed publications, author of two text books, Program Chair of International Conferences, Member of Scientific Committees and Editorial boards, ECCAI Fellow, most influential paper awards, several invited key note talks, google scholar h-index = 40.

Education Skills: Adjunct Professor, member of Doctoral School Committee, Teacher of PhD Courses, Tutorials at International Conferences, Teacher of Courses for Companies

**OTHER PERSONAL SKILLS AND  
COMPETENCES**

Mother tongue(s) Italian

Other language(s) English C2 (self assessment, *European level*, rif. [Common European Framework of Reference for Languages](#))

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**ANNEXES** Publication list.

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I authorize the treatment of my personal data according to the Personal data Protection Code, Legislative Decree no. 196/2003 of June 2003.