University Academic Curriculum Vitae

Personal information

Name: FLORIANO ZINI
Place and date of birth: IVREA, 11th JANUARY 1969
Nationality: ITALIAN
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Education

- **1993: Degree in Computer Science from the University of Torino, Italy.** Title of the thesis: "Apprendimento di concetti in ambiente distribuito (Concept learning in a distributed environment)". Supervisor: Prof. Attilio Giordana (Univ. of Torino, Italy). Mark: 108/110.
- **2001: Ph.D. in Computer Science from the University of Genova, Italy.** Title of the thesis: "CaseLP, a Rapid Prototyping Environment for Agent-Based Software". Supervisor: Prof. Maurizio Martelli (Univ. of Genova, Italy). Reviewers: Prof. Alberto Martelli (Univ. of Torino, Italy), and Prof. Leon Sterling (Univ. of Melbourne, Australia).

Present appointment

Researcher at the Free University of Bolzano, Faculty of Computer Science, Smart Data Factory Lab, since March 2019.

Professional experience

From / to	Job title	Name of academic Institution	Responsibilities
December 2015 – January 2019	Research associate	University of Bologna, Department of Computer Science and Engineering	I was the principal investigator in a multidisciplinary R&D project that aimed at designing, implementing, and evaluating with real users, a computerized web-based system that supports the cognitive rehabilitation of patients suffering from multiple sclerosis.
March 2010 – September 2015	Assistant professor, research associate, and adjunct professor	Free University of Bozen-Bolzano, Italy, Faculty of Computer Science	I was involved in several research projects (for some of them I was the principal investigator) in the area of medical informatics and e-Health. I was lecturer or teaching assistant of bachelor and master courses.
March 2010 – September 2015	Assistant professor, research associate, and adjunct professor	Free University of Bozen-Bolzano, Italy, Faculty of Computer Science	I was involved in several research projects (for some of them I was the principal investigator) in the area of medical informatics and e-Health. I was lecturer or teaching assistant of bachelor and master courses.
November 2007 – March 2010	Software analyst and developer	Cogito, Language Technology – Expert System Group, Rovereto, Italy	I worked for the R&D department of the company, a leader in information retrieval and natural language processing.
July 2006	Visiting Researcher	University of Karlsruhe, Germany, Dep. of Business Economics and Engineering	I conducted research in the framework of the European CATNETS project.
May 2000 – August 2007	Researcher	IRST, the Centre for Scientific and Technological Research of Fondazione Bruno Kessler, Trento, Italy	I mainly conducted research on: cooperation in societies of artificial agent; optimization of data access and replication in data grids. I participated in several local and European projects and for some of them I was the principal investigator for IRST.
March 1999 – July 1999	Visiting Researcher	The University of Melbourne, Australia, Dep. of Computer Science and Software Engineering	I worked on the specification of ontologies for autonomous agents.
March 1996 – March 2001	PhD student	University of Genoa, Italy, Dep. of Computer Science and Information Sciences	I conducted research on the use of logical programming and multi-agent systems to the rapid prototyping of distributed software applications.

October 1993 – June 1994	Research associate	University of Turin, Italy, Department of Computer Science	I conducted research on inductive machine learning using genetic algorithms.

Experience in academic teaching (last 5 years)

- **2016 – 2017: Didactic tutor** "TUTORATO INFORMATICO GRACE", Scuola di Economia, Management e Statistica, University of Bologna.
- **2014 – 2015: Lecturer and teaching assistant at the Free University of Bozen-Bolzano.** Courses:
  - o "Internet and Mobile Services", Bachelor in Computer Science and Engineering (teaching assistant)
  - o "Advanced Algorithms", Master in Computer Science (lecturer)

Other academic responsibilities

- **2010 – 2013: Member of the faculty board** of the Ph.D. in Computer Science, Faculty of Computer Science, Free University of Bolzano
- **2010 – 2013: Study plan advisor** for the Master in Computer Science, curriculum "General Computer Science", Faculty of Computer Science, Free University of Bolzano
- **Reviewer for scientific journals and conferences**
  - o Computers I Human Behavior – https://www.journals.elsevier.com/computers-in-human-behavior.
  - o Pervasive and Mobile Computing – https://www.journals.elsevier.com/pervasive-and-mobile-computing.
  - o Swarm and Evolutionary Computation – https://www.journals.elsevier.com/swarm-and-evolutionary-computation
  - o User Modeling and User-Adapted Interaction, The Journal of Personalization Research - http://www.umuai.org
  - o CODATA Data Science Journal - http://www.codata.org/dsj
  - o International Journal of Computers and Applications – http://www.actapress.com/Content_of_Journal.aspx?JournalID=144
  - o 15th IEEE Conference on Business Informatics (2013)
  - o User Modeling and Adaptation for Daily Routines, Human–Computer Interaction Series, Springer (2013)
  - o RecSys'12 Workshop on Human Decision Making in Recommender Systems at ACM RecSys (2012)
  - o Advances in User Modeling UMAP 2011 Workshops, Revised Selected Papers, Springer (2012)
  - o 3rd International Workshop on Context-Aware Recommender Systems at ACM RecSys (2011)
  - o International Conference on Current Trends in Theory and Practice of Computer Science (2007)
  - o International Symposium on Cluster Computing and the Grid (2006).
  - o European Semantic Web Conference (2006)
  - o International Symposium on Cluster Computing and the Grid (2005).
  - o International Conference on Autonomous Agents and Multi-Agent Systems (2005)
  - o International Conference on Autonomous Agents and Multi-Agent Systems (2004)
  - o International Conference on Automated Planning and Scheduling, Workshop on Web & Grid Services (2004)
  - o Congresso Nazionale dell'Associazione Italiana per l'Intelligenza Artificiale (2003)
  - o International Conference on Automated Planning and Scheduling (2003)
  - o Asian Computing Science Conference

Memberships

Membership of scientific committees for international conferences

- 16th International Conference on Service Oriented Computing (ICSOC 2018), Hangzhou, Zhejiang, China, 12-15 November 2018

- 15th International Conference on Service Oriented Computing (ICSOC 2017), Málaga, Spain, 13-16 November 2017
- 14th International Conference on Service Oriented Computing (ICSOC 2016), Banff, Alberta, Canada, 10-13 October 2016
- 13th International Conference on Service Oriented Computing (ICSOC 2015), Goa, India, 16-19 November 2015
- Second International Workshop on Agent based Grid Computing at the 7th IEEE International Symposium on Cluster Computing and the Grid (CCGrid 2007), Rio de Janeiro, Brazil, May 2007
- Second International Workshop on Smart Grid Technologies at the 3rd IEEE International Conference on Autonomic Computing, Dublin, Ireland, June 2006
- International Workshop on Agent based Grid Computing at the 6th IEEE International Symposium on Cluster Computing and the Grid (CCGrid 2006), Singapore, May 2006
- Betriebliche Anwendungen des P2P und Grid Computing (Business Applications of P2P and Grid Computing), Track auf der Multikonferenz Wirtschaftsinformatik, Passau, Germany, February 2006
- First International Workshop on Smart Grid Technologies (SGT05) at the 4th International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2005), Utrecht, The Netherlands, July 2005
- Workshop on Agent-based Grid Economics (AGE-2005) at the 5th IEEE International Symposium on Cluster Computing and the Grid (CCGrid 2005), Cardiff, United Kingdom, May 2005

Research and scholarships

In the last nine years, my research has been mostly concerned with the design, development, and evaluation on the field of mobile and web-based information systems for personalized health care. In particular, I have worked on techniques for optimizing the information flow to the needs and capabilities of the user and providing personalized services that adapt their behavior according to the user-system interaction. The research methods are experimental; hence a lot of effort and care has been dedicated to tailoring the systems to the users' needs and to evaluate the system performance in live user studies.

From December 2015, to January 2019 I worked for the Department of Computer Science and Engineering at the University of Bologna. I conducted research in the group led by Prof. Mauro Gaspari, and I was the principal investigator in a multidisciplinary research project aimed at designing, implementing, and evaluating with real users, a computerized (web-based) system, called MS-rehab, that supports the cognitive rehabilitation of patients suffering from multiple sclerosis. The projects involved some Italian centers specialized for the treatment of multiple sclerosis: the Vaio Hospital, Fidenza (Parma); the Montichiari Hospital (Brescia); and the Neurological Clinic of Florence. Contrary to the main commercial software applications for cognitive rehabilitation, MS-rehab is specific for multiple sclerosis. A first version of the system [22] was implemented with the following main features:
- The system supports a multi-phase standardized individual or group-based cognitive rehabilitation process, identified by analyzing how cognitive rehabilitation is carried out in practice in some Italian centers specialized in multiple sclerosis;
- Clinical operators can tailor the rehabilitation to the "cognitive profile" of the patients, including personal, clinical, and neuropsychological data;
- The system includes rehabilitation exercises that cover the main cognitive domains: attention, memory, and executive functions. In particular, it includes "ecological" exercise for training the patient's planning abilities, modeled using the PDDL planning language [24];
- The system includes functionalities to constantly monitor the cognitive improvements obtained by patients during the rehabilitation, and possibly

varying the exercise difficulty during execution.

The system was evaluated in a formative usability study [23]. An enhanced version is available online (https://rehab.cs.unibo.it/MS-rehab-website/).

Further research in the project concerned with the design and implementation of intelligent mechanisms able to automatically adapt the difficulty of the rehabilitation exercises to the patients' clinical and psychological profiles, and to their performance in the exercises over time. An approach based on Reinforcement Learning was developed and evaluated in a live study.

Psychologists of Padua University are currently using MS-rehab in a research project to verify if a computerized training program can provide a general cognitive improvement in healthy older adults, and to investigate its effects on their daily lives.

From 2010 to 2015 I worked for the "Information and Database Systems Engineering" research center of the Faculty of Computer Science at the Free University of Bozen-Bolzano, in the group on Recommender Systems led by Prof. Francesco Ricci. I was involved in several research projects (for some of them I was the principal investigator) in the area of medical informatics and e-Health. The main goal of the research was the realization of easy-to-use mobile and web-based information systems that provide people with personalized and adaptive services. In this research, I: adopted data mining techniques, useful to extract meaningful users' profiles from their interaction with the information systems; used recommender systems to provide the users with the most suitable services for them; assessed the quality of the human-system interaction and system usability by analyzing the data collected in field studies involving real users.

I, in collaboration with other researchers and students, developed several technologies and applications:

- In the MOBAS project, funded by the Autonomous Province of Bozen-Bolzano, I developed a solution for supporting patients in a day-hospital visit [6,16,17,18,19]. This system, called "Ospedale Amico", was able monitor the patient position, accordingly detect the step of the day-hospital workflow where the patient was, and then inform the patient, via a smartphone, about his/her next activities. That system was subsequently extended to support the patient to access information about her/his disease; I contributed to the development of an adaptive technology, based on reinforcement learning, which was able to learn the right amount of information that is more effective to show to the patient. A video describing the main features of "Ospedale Amico" is available here: https://goo.gl/QyR8q7. "Ospedale amico" was one of the systems included in an exploratory study for a gamified children university [20].
- In a research funded by Stallergenes (an international pharmaceutical company specializing in the treatment of allergies), I studied and developed techniques and an application for monitoring the state of patients suffering from allergic rhinitis and providing them support for better management of their therapies [7]. The realized Android mobile application, "Smart Allergy Taming", is available on Google Play: https://goo.gl/bpGgSh.
- In the LiloPAS project, funded by the Free University of Bozen-Bolzano, and in the MAGELLANO project, funded by EDP Progetti, I designed and implemented a technology for life-logging users with wearable Fitbit activity trackers and mobile phones [8,21]. The goal was to collect and aggregate life-logging data from multiple devices and to show the user indicators of his/her health status and quality of life in a mobile app. A prototype Android mobile application, "Life Meter", is available on Google Play: https://goo.gl/Zdm7z2. The results of a live-user study [9] show that "Life Meter" has high functionality and subjective quality, and, according to the users, it increases their awareness of the importance of monitoring quality of life.

RESEARCH PROJECTS

- **September 2016 – January 2019.** Principal investigator of the project "Realizzazione e messa in opera di ambiente integrato per la riabilitazione cognitiva nella Sclerosi Multipla", funded by Universtity of Bologna and Fondazione del Monte
- **November 2013 – September 2015.** Principal investigator of the project "Life-logging for Proactive Advisory Systems (LiloPAS)", funded by the Free University of Bolzano
- **February 2015 – June 2015.** Principal investigator of the "MAGELLANO" project, commissioned by EDP Progetti to the Faculty of Computer Science and Technology of the University of Bolzano
- **May 2013 – December 2013.** Principal investigator of the research "Monitoring and support of patients suffering from allergic rhinitis", funded by Stallergenes to the Free University of Bozen-Bolzano
- **December 2010 – December 2012.** Coordinator of the "Context-Aware Music Retrieval and Adaptation (CAMuRA)" project funded by the Free University of Bolzano
- **March 2010 – September 2012.** Participation in the "Mobile Analitical Services for Medical Data Warehouse (MOBAS)" project, funded by the Autonomous Province of Bolzano
- **January 2004 – December 2007.** Responsible for ITC-IRST of the European "Evaluation of the Catallaxy paradigm for decentralized operation of dynamic application networks (CATNETS)" project (IST-FP6-003769)
- **January 2001 – December 2003.** Principal investigator for ITC-IRST in the Europan "DataGRID" project (IST-2000-25182)
- **May 2000 – December 2001.** Participation in the "MIRVAC" project, funded by the Autonomous Province of Trento
- **April 2000 – March 2001.** Principal Investigator of the "KICKER" project, funded by FS S.p.A. to the Department of Computer Science and Information Sciences of the University of Genoa
- **January 1998 – December 2000.** Participation in the project "Formal techniques for the specification, analysis, verification, synthesis, and transformation of software systems", funded by MURST
- **January 1997 – December 1998.** Participation in the project "Models, methods, and languages for software design" funded by the University of Genoa
- **January 1996 – December 1998.** Participation in the CNR project "S.T.E. Tools for analysis, software engineering techniques, concurrency constraints and object-oriented programming"

Publications over the last 15 years

International journals

1. (*) *D.G. CAMERON, R. CARVAJAL-SCHIAFFINO, A.P. MILLAR, C. NICHOLSON, K. STOCKINGER, F. ZINI* (2004). Analysis of Scheduling and Replica Optimisation Strategies for Data Grids using OptorSim. JOURNAL OF GRID COMPUTING, vol. 2(1), ISSN: 1570-7873, doi: 10.1007/s10723-004-6040-6
   (108 citations in Google Scholar)
2. (*) *T. EYMANN, O. ARDAIZ, M. CATALANO, P. CHACIN, I. CHAO, F. FREITAG, M. GALLEGATI, G. GIULIONI, L. JOITA, L. NAVARRO, D. NEUMANN, O. RANA, M. REINICKE, R. CARVAJAL- SCHIAFFINO, B. SCHNIZLER, W. STREITBERGER, D. VEIT, F. ZINI* (2005). Catallaxy-based grid markets. MULTIAGENT AND GRID SYSTEMS, vol. 1(4), ISSN: 1574-1702, doi: 10.3233/MGS-2005-1407
   (45 citations in Google Scholar)
3. *D.G. CAMERON, R. CARVAJAL-SCHIAFFINO, C. NICHOLSON, K. STOCKINGER, F. ZINI, A.P. MILLAR, L. SERAFINI* (2006). Formal Analysis of an Agent-based Optimisation Strategy for Data Grids.

MULTIAGENT AND GRID SYSTEMS, vol. 2(2), ISSN: 1574-1702, doi: 10.3233/MGS-2006-2205
(7 citations in Google Scholar)

4. (*) *W. STREITBERGER, S. HUDERT, T. EYMANN, B. SCHNIZLER, F. ZINI, M. CATALANO* (2008). On the Simulation of Grid Market Coordination Approaches. JOURNAL OF GRID COMPUTING, vol. 6(3), ISSN: 1570-7873, doi: 10.1007/s10723-007-9092-6
(20 citations in Google Scholar)

Chapters in books

5. *F. ZINI,* F. RICCI (2012). Guiding Patients in the Hospital. In: L. Ardissono; T. Kuflik editors, Advances in User Modeling UMAP 2011 Workshops, Girona, Spain, July 11-15, 2011, Revised Selected Papers. LECTURE NOTES IN COMPUTER SCIENCE, vol. 7138, Springer Berlin/Heidelberg, ISBN: 9783642285080, ISSN: 0302-9743, doi: 10.1007/978-3-642-28509-7_29
(9 citations in Google Scholar)

6. *T.S. NGUYEN, F. RICCI, F. ZINI, M. GRANCONATO* (2014). Life-Logging for Healthcare Proactive Advisory Systems. In: I. Cantador, M. Chi, R. Farzan, R. Jäschke editors, UMAP 2014 Extended Proceedings: Posters, Demos, Late-breaking Results and Workshop Proceedings of the 22nd Conference on User Modeling, Adaptation, and Personalization. CEUR WORKSHOP PROCEEDINGS, vol. 1181, ISSN: 1613-0073
(3 citations in Google Scholar)

7. *M. GE, D. MASSIMO, F. RICCI, F. ZINI* (2015). Integrating Wearable Devices into a Mobile Food Recommender System. In: S. Sigg, P. Nurmi, F. Salim editors, Mobile Computing, Applications, and Services. 7th International Conference, MobiCASE 2015, Berlin, Germany, November 12-13, 2015, Revised Selected Papers. LECTURE NOTES OF THE INSTITUTE FOR COMPUTER SCIENCES, SOCIAL INFORMATICS AND TELECOMMUNICATIONS ENGINEERING, vol. 162, Springer International Publishing, ISBN: 978-3-319-29003-4, ISSN: 1867-8211, doi: 10.1007/978-3-319-29003-4
(1 citation in Google Scholar)

8. (*) *F. ZINI*, M. REINSTADLER, F. RICCI (2017). Increasing Quality of Life Awareness with Life-logging. In: K. Giokas, L. Bokor, F. Hopfgartner, Proceedings of EAI International Conference on Wearables in Healthcare. LECTURE NOTES OF THE INSTITUTE FOR COMPUTER SCIENCES, SOCIAL INFORMATICS AND TELECOMMUNICATIONS ENGINEERING, Springer International Publishing, ISSN: 1867-8211, ISBN: 978-3-319-49655-9, doi: 10.1007/978-3-319-49655-9_36
(1 citation in Google Scholar)

Conference papers

9. *D.G. CAMERON, A.P. MILLAR, C. NICHOLSON, R. CARVAJAL-SCHIAFFINO, F. ZINI, K. STOCKINGER* (2004). OptorSim: a Simulation Tool for Scheduling and Replica Optimisation in Data Grids. In: Computing in high energy and nuclear physics, Congress Centre, Interlaken, Switzerland, 27 September - 1 October 2004: proceedings. CERN, Geneva
(60 citations in Google Scholar)

10. *D. SONA, E. OLIVETTI, P. AVESANI, S. VEERAMACHANENI, R. MORETTA, F. ZINI*, J. SCHWARZBACH (2007). Mixture Models for Decoding Cognitive Brain State. In: 13th Annual Meeting of the Organization for Human Brain Mapping.
(2 citations in Google Scholar)

11. (*) *P. LAMBER, B. LUDWIG, F. RICCI, F. ZINI, M. MITTERER* (2011). Message-Based Patient Guidance in Day-Hospital. In: MDM'11 Proceedings of the 2011 IEEE 12th International Conference on Mobile Data Management. vol. 1, Luleå, Sweden, 6-9 June, 2011. IEEE Computer Society, ISBN: 9780769544366, doi: 10.1109/MDM.2011.77

(8 citations in Google Scholar)

12. *P. LAMBER, M. MITTERER, L. NAPOLITANO, F. RICCI, F. ZINI* (2012). Surveying Patients with Smart Devices. In: Computer-Based Medical Systems (CBMS), 2012 25th International Symposium on. IEEE Computer Society, Roma, Italy, June 20-22, 2012, ISBN: 9781467320498, doi: 10.1109/CBMS.2012.6266349
(2 citations in Google Scholar)

13. *G. TARASKEVICIUTE, F. RICCI, F. ZINI* (2013). Lightweight Navigation in the Hospital with Portable Devices. In: Computer-Based Medical Systems (CBMS), 2013 26th International Symposium on. IEEE Computer Society, Porto, 20-22 June 2013, ISBN: 9781479910533, doi: 10.1109/CBMS.2013.6627878
(1 citation in Google Scholar)

14. (*) *D. CAVADA, M. MITTERER, O. MOLING, F. RICCI, F. ZINI* (2013). A Multi-Functional Mobile Information System for Hospital Assistance. In: Computer-Based Medical Systems (CBMS), 2013 26th International Symposium on. IEEE Computer Society, Porto, Portugal , 20-22 June 2013, ISBN: 9781479910533, doi: 10.1109/CBMS.2013.6627817
(1 citation in Google Scholar)

15. *V. DEL FATTO, G. DODERO, R. GENNARI, A. MELONIO, M. MONTALI, S. RAZNIEWSKI, S. TORELLO, X. WANG, F. ZINI* (2014). Gamified children universities: An exploratory study. In: CHI PLAY '14 Proceedings of the first ACM SIGCHI annual symposium on Computer-human interaction in play. Toronto, 19.10.2014 - 22.10.2014. ACM Press, ISBN: 978-1-4503-3014-5, doi: 10.1145/2658537.2661300
(2 citations in Google Scholar)

16. (*) *F. ZINI*, M. REINSTADLER, F. RICCI (2015). Life-logs Aggregation for Quality of Life Monitoring. In: DH '15 Proceedings of the 5th International Conference on Digital Health 2015, Florence, Italy, May 18-20, 2015. ACM. ISBN: 978-1-4503-3492-1, doi: 10.1145/2750511.2750531
(7 citations in Google Scholar)

17. (*) *M. GASPARI, F. ZINI, D. CASTELLANO, F. PINARDI, S. STECCHI* (2017). An advanced system to support cognitive rehabilitation in multiple sclerosis. IEEE 3rd International Forum on Research and Technologies for Society and Industry (RTSI), Modena, 2017, pp. 1-6. ISBN: 978-1-5386-3906-1, doi: 10.1109/RTSI.2017.8065970
(4 citations in Google Scholar)

18. (*) *F. ZINI,* E.M. BRESSAN, M. GASPARI. (2017). A formative user-based usability study for an advanced cognitive rehabilitation system. In Proceedings of the 12th Biannual Conference on Italian SIGCHI Chapter (CHItaly '17). ACM, New York, NY, USA, Article 13, 10 pages. ISBN: 978-1-4503-5237-6, doi: 10.1145/3125571.3125599
(0 citations in Google Scholar)

19. (*) *D. BASCHIERI, M. GASPERI, F. ZINI.* (2018). A Planning-Based Serious Game for Cognitive Rehabilitation in Multiple Sclerosis. Proceeding of GOODTECHS 2018 - 4th EAI International Conference on Smart Objects and Technologies for Social Good. ACM. ISBN: 978-1-4503-6581-9, doi: 0.1145/3284869.3284916
(0 citations in Google Scholar)

Further data	**Presentations at scientific conferences over the past 3 years**

- GOODTECHS 2018 - 4th EAI International Conference on Smart Objects and Technologies for Social Good, Bologna, Italy, November 28-30, 2018 (Selected paper)
- 12th Edition of CHItaly, the biannual Conference of the Italian SIGCHI Chapter, Cagliari, Italy, September 18-20, 2017 (Selected paper)
- 3rd International Forum on Research and Technologies for Society and Industry, Modena, Italy, September 11-13, 2017 (Selected paper)
- EAI International Conference on Wearables in Healthcare BUDAPEST,

Statement of interest

I strongly believe research should contribute to industrial and social development. Therefore, I have always privileged working in research projects with a practical impact. For example, in the last years I have participated in several R&D projects in the field of e-health, where the results of academic research were transferred into medical information systems that improved and personalized the medical process. In my professional experience in universities, research centers, and private companies, I have acquired a notable competence in interacting with various types of stakeholders and in understanding their needs. I have also learned how to manage small size teams composed by academics, students and professionals, and how to work in international projects.

My work has always targeted the design, implementation, and testing of innovative (in particular mobile and web-based) information systems. I know how to perform the analysis of the system requirements by interacting with the relevant stakeholders, how to design the system and implement it, how to conduct a pilot test, and how to evaluate the system performance from its output data, and its usability with live user studies, and by using dedicated tools and questionnaires.

I am able to report the results of my work in technical reports, scientific papers, and slide presentations. I have notable experience in teaching to and supervising university students and in presenting my work in technical meetings, scientific conferences, and to the general public.

I believe that my competences are very well suited to the current objectives of the Smart Data Factory laboratory, and therefore to the praiseworthy technology transfer intent of the Faculty of Computer Science and the whole Free University of Bozen-Bolzano. My many years of experience as a local and national activist for the most important organization in the world for human rights defense could be an added valued for the Smart Data Factory, if it extend its focus also to cooperation with organizations of the third sector in projects for the social good, which I hope will be one of its future goals.

Language competence

- **Italian**. Native or bilingual proficiency.
- **English**. Professional working proficiency, Cambridge Certificate in Advanced English (CAE) from University of Cambridge, Council of Europe level C1.
- **German**. Elementary proficiency, Certificate from the Language Centre of the University of Bozen-Bolzano, Council of Europe level A1.

Driving license

Italian B category driving license.

Date

Trento, 18th February 2019

Signature