

Bruno Lepri

Contact Information and Other Details

Office Address:

Personal Address:

Nationality:

Phone:

Email:

LinkedIn:

Google Scholar:

H-Index (Google Scholar):

Professional Experience

Foundation Bruno Kessler, Trento, Italy

January 2014 – current

Head of Research Unit

Mobile and Social Computing Lab (MobS Lab)

I am currently leading the **Mobile and Social Computing Lab (MobS)** at FBK within the Digital Society research center (led by Marco Pistore). MobS is an interdisciplinary research unit composed of 15-20 researchers, post-doc, and Ph.D. students with a diverse range of backgrounds such as computer science (machine learning, deep learning, computer vision and multimedia), physics (complex systems, complex networks), applied mathematics, social psychology, etc.

The main objective of MobS is to build computational approaches to human behavior understanding using machine learning/deep learning algorithms and network science approaches as well as the newly ubiquitous sources of data that are becoming available about all aspects of human life (e.g., mobile phone data, credit card transactions, energy consumption data, social media data, etc.). Moreover, MobS aims at using these computational models of human behaviors in order to design more efficient companies, cities and societies, and to solve challenges in several fields such as health, finance, crime, transportation, energy consumption and sustainability, unemployment, etc. MobS is also focused on developing innovative algorithmic approaches in human-centric machine learning, cooperative AI and graph neural networks. To reach these objectives, MobS leverages a rich and diverse network of collaborations with top-ranked researchers and institutions. Some examples are Alex Pentland (MIT Media Lab), Iyad Rahwan (Max Planck Institute), Pietro Liò (Cambridge University), Xiaowen Dong (Oxford University), Mirco Musolesi (UCL), Nuria Oliver (ELLIS Alicante), Manuel Gomez-Rodriguez (Max Planck Institute), Sandra Matz (Columbia University), Robin Dunbar (Oxford University), Esteban Moro (MIT/Northeastern University), Marta Gonzalez (Berkeley University), Albert Ali Salah (Utrecht University), Eran Toch (Tel Aviv University), Erez Shmueli (Tel Aviv University), Nicu Sebe (University of Trento), Andrea Passerini (University of Trento), Dino Pedreschi (University of Pisa), Fosca Giannotti (Scuola Normale Superiore), Samuel Freiberger (The World Bank), Michal Kosinski (Stanford University), Sune Lehmann (DTU), Ciro Cattuto (ISI Foundation), Manlio De Domenico (University of Padua), Alessandro Moschitti (Amazon), etc.

Within the Digital Society center, I was also serving as the responsible for the **Digital Finance program** with the goal of identifying funding opportunities and industrial and academic partnerships on topics relevant for the digital transformation of the banking and insurance sectors as well as for the economic sustainability of communities and societies.

Recently, I'm also coordinating the center activities on **Cooperative AI** as well as I'm the **co-director**, with Giuseppe Alessandro Veltri (Department of Sociology and Social Research), Ivano Bison (Department of Sociology and Social Research), and Giuseppe Espa (Department of Economics and Management), **of the new center on Computational Social Science and Human Dynamics** (<https://c2s2.unitn.it/>), involving FBK, the Department of Sociology and Social Research and the Department of Economics and Management of the University of Trento. Finally, I'm also serving as the **co-director**, with Nicu Sebe (DISI-University of Trento), **of the ELLIS unit Trento** (<https://ellis.eu/units/trento>) involving researchers from FBK, DISI, DII, CIMEC, and Economics and

Management.

Ipazia

July 2022 – current

Chief Scientific Officer

Ipazia is a startup active in building innovative AI solutions for financial services, energy management, and human resources. In this role, I'm hiring and leading a team of applied AI scientists with backgrounds in computer vision, natural language processing, machine learning, and complex networks. We already have several clients in the banking, insurance, energy and HR sectors as well as we are developing some solutions that enable companies to measure and optimize their ESG success while having a real impact on sustainable issues. Founder is Giorgio Alverà (former investment banker at Goldman Sachs), while the advisory board include Elisabetta Oliveri (president of Autostrade per l'Italia), Marco Alverà (former CEO of SNAM), Alessandra Pasini (former CFO of SNAM), Michela Colli (co-founder of TWT and former board member of UNIDATA), Claudio Farina (Chief Strategy and Technology Officer of SNAM).

Profilio Company

February 2017 – present

Co-founder and Chief Innovation Officer

Profilio Company is a startup that applies advanced psychometric profiling technologies (e.g., personality recognition) to several markets (e.g., advertising, human resources). Some clients are AEFEE group, Consodata, Samsung Global, Zetema (in a project with the city of Rome), HDI, Technogym, Talent Decisions, etc. Currently, Profilio is merging its psychometric engine with Crafter.ai (<https://crafter.ai/en/artificial-intelligence-solutions/>), an Italian company designing and developing conversational agents.

Data-Pop Alliance

January 2015 – present

Senior scientific advisor and member of the leadership team

Data-pop Alliance is a global coalition on Big Data and development created by the Harvard Humanitarian Initiative, MIT Media Lab, Flowminder and Overseas Development Institute (ODI) that brings together researchers, experts, practitioners, and activists to promote a people-centered Big Data revolution. Some projects are Ciudad Segura, that aims to build a granular spatio-temporal tool to diagnose crime factors in cities and better inform security policy-making, and Measuring the Unmeasured, where I've worked on designing innovative AI-driven approaches for measuring SDG Tier 3 Indicators. Finally, I was involved in the organization of Data4Refugees, a big data challenge co-organized by Turk Telekom, Bogazici University and Tubitak in collaboration with FBK, MIT Media Lab, Data-Pop Alliance, UNHCR, IOM, and Unicef. Turk Telekom opened several datasets of anonymized CDRs to research groups for the purpose of providing data-driven solutions for improving the living conditions of Syrian refugees in Turkey, with a specific focus on safety, health, education, unemployment, and integration. Website: <https://datapopalliance.org/>

ManpowerGroup

August 2019 – May 2022

Chief AI Scientist

My role consisted in collaborating with the Chief Innovation Officer (Tomas Chamorro Premuzic) and with the VP Global Innovation and Analytics (Luca Giovannini/Alfonso Gonzalez Carretto) at ManpowerGroup on designing an AI strategy for the group. I also served in the AI New Projects Review Committee headed by the Senior Vice President and General Counsel of ManpowerGroup (Richard Buchband). Moreover, I directed a core AI team of 4/5 machine learning engineers and data scientists working on a recommendation system for skills gaps in the French market and on building an employability model from non-verbal behaviors collected during hiring interviews. Finally, I advised the Italian CEO (Riccardo Barberis) on projects using AI techniques for talent selection and management.

Foundation Bruno Kessler, Trento, Italy

January 2015 – December 2017

Deputy Coordinator of Research Line

Complex Data Analytics (CODA)

I was the deputy coordinator of the FBK "Complex Data Analytics" research line (coordinator: Cesare Furlanello). The Complex Data Analytics (CODA) research line is composed of five research units and is focused on several fields of data science such as epidemics modeling, bioinformatics, neuroinformatics, computational social science, and remote sensing. In this role, my duties are i) advising and consulting the FBK ICT director (Paolo Traverso) on the scientific and sustainability plans of the ICT center (I am member of the restricted board of the center) and ii) co-coordinating the scientific vision of the CODA research line.

Massachusetts Institute of Technology, Cambridge, MA, US

July 2016 – August 2016

Visiting Scientist

MIT Connection Science Initiative (Prof. Alex “Sandy” Pentland)

I was involved in the launch of the MIT-FBK joint initiative on Human Dynamics Observatories.

Massachusetts Institute of Technology, Cambridge, MA, US

June 2013 – December 2014

Research Affiliate

Human Dynamics group (Prof. Alex “Sandy” Pentland)

I was involved on a project that had the goal of using multiple sources of data (social media data, call data records, credit card data, etc.) to develop “social health” maps of a large area such as the great metropolitan area of a city or of an entire country.

Trento Rise, Trento, Italy

June 2013 – December 2013

Researcher

Experience Living Lab (Dr. Fabio Pianesi)

I was involved in the ideation and set-up of the Mobile Territorial Lab, a joint initiative between FBK, Human Dynamics group at the MIT Media Lab, Telecom Italia, and Telefonica Research, that has the goal of testing mobile phone related research activities with real-life users on a very responsive territory. In particular, I was involved in the definition of the three major research lines: (i) automatic behavioral analysis; (ii) a new model for privacy and personal data management: from data protection to data exploitation; and (iii) peer progress: inducing peer pressure to promote cooperation, trust and exchange networks.

I was also involved in the ideation of a new joint initiative between FBK, Human Dynamics group at the MIT Media Lab, Telecom Italia, Personal Paraguay that had the goal of using mobile phone data and social media data to understand financial and spending behavior. Finally, I was working on the set-up of the big data challenge initiatives based on Telecom Italia call data records (CDR) and open data.

Massachusetts Institute of Technology, Cambridge, MA, US

June 2010 – June 2013

Marie-Curie Cofund Post-doctoral fellow

Human Dynamics group (Prof. Alex “Sandy” Pentland)

I was involved in the Friends and Family project at the MIT Media Lab. This study is a long-term mobile phone-based experiment that transforms a graduate family community into a living lab for social science investigation. Data from this study, collected via Android-based phones equipped with the FunF software platform, were used to look at issues including individual and group identity, real world decision making, social diffusion, social health, and new boundaries of privacy.

Foundation Bruno Kessler (FBK), Trento, Italy

June 2010 – June 2013

Marie Curie Cofund Postdoctoral fellow

Intelligent Interfaces and Interaction group (Dr. Massimo Zancanaro)

I designed and coordinated, together with Dr. Fabio Pianesi, Prof. Alex “Sandy” Pentland, Prof. Sigal Barsade and Prof. Tiziana Casciaro, the collection of a corpus for social interaction studies. The design of the corpus was inspired by the need of providing researchers with: (i) raw digital traces (acoustic features, infrared, bluetooth and accelerometer data) that could be used to investigate and predict people’s social behavior in complex organizations; (ii) information about participants’ individual characteristics (e.g., personality traits), along with (iii) data concerning the general social context (e.g., participants’ social networks) and the specific situations they found themselves in.

Foundation Bruno Kessler (FBK), Trento, Italy

November 2008 – June 2010

Junior Researcher,

Intelligent Interfaces and Interaction group (Dr. Massimo Zancanaro)

I worked in designing and developing systems for Ambient Assisted Living based on the automatic behavioral analysis inside the Netcarity EU-project.

Massachusetts Institute of Technology (FBK), Cambridge, MA, US

May 2008 – December 2008

*Visiting Graduate Student and Research Assistant,
Department of Architecture and MIT Media LAB
Changing Places group (Dr. Stephen Intille and Prof. Kent Larson)*

I worked on recognition of Activities of Daily Living inside the MIT House_N and Place Lab initiatives.

Foundation Bruno Kessler (FBK), Trento, Italy

November 2005 – December 2009

*Graduate Student and Research Assistant,
Intelligent Interfaces and Interaction group (Dr. Massimo Zancanaro)*

Education

University of Trento, Trento, Italy

2009

Ph.D., Information and Communication Technology

Advisor: Dr. Fabio Pianesi

Thesis: *Multimodal Recognition of Personality Traits and Social Behaviors in Small Group Interaction*

University of Bologna, Bologna, Italy

2005

S.M., Philosophy

Advisors: Prof. Maurizio Matteuzzi and Dr. Oliviero Stock

Thesis in Theory and Systems of Artificial Intelligence: *Learning and Motivation: Design of an Intelligent Chess Tutoring System*

Research Interests and Skills

Human-centric Machine Learning, Computational Social Science, Deep Learning, Network Science, Computational Privacy

Funding

Project Name: ELIAS - European Lighthouse of AI for Sustainability (Horizon Europe). 01/09/2023 - 31/08/2027

Funding: 11.030.575,00 Euros

FBK groups involved: Mobs, DIGIS PMG

Partners: UNITN, University of Amsterdam, Polytechnic University of Milan, UNIMORE, Institut Polytechnique de Paris, Universitat Tubingen, CERTH, ELLIS Unit Alicante, Hasso Plattner Institute, University of Valencia, University of Copenhagen, University of Milan, ANITI, Max Planck Institute, Jozef Stefan Institute Ljubljana, Czech Institute of Informatics, Robotics, and Cybernetics, Umea University, Istituto Italiano di Tecnologia, Polytechnic University of Bucharest, INRIA, Bitdefender, IBM, Bosch, Engineering, IDIAP, ETH Zurich, University of Genova, University of Manchester, Aalto University, etc.

Project Name: TANGO (Horizon Europe). 01/10/2023 - 30/09/2027

Funding: 8.008.798,75 Euros

FBK groups involved: Mobs

Partners: UNITN, University of Pisa, CNR, Scuola Normale Superiore, University of Swansea, University of Warwick, University Hospital Heidelberg, Basque Center for Applied Mathematics, Intesa Sanpaolo, Center for European Policy Studies, EIT Digital, Université Paris Cité, The AI Research and Development Institute of Serbia, SHARE Foundation, A 11-Initiative for Economic and Social Rights, Ministry of Family Welfare and Demography, U-Hopper srl, Carr Communications, Surgical Science Sweden AB

Project Name: FAIR - Future Artificial Intelligence Research (PNRR).

Spoke 2 - Integrative AI: FBK and UNITN (coordinator: Paolo Traverso)

MobS and my personal role: co-leader, with Andrea Passerini (UNITN), of WP8 on “Cooperative and hybrid human-machine intelligence”; co-leader, with Fosca Giannotti (Scuola Normale Superiore), of the transversal project TP3 on “Learning and reasoning from individual to communities to society”.

Project Name: National Centre for HPC, Big Data and Quantum Computing (PNRR).

Spoke 9 - Digital Society & Smart Cities: UNINA (leader: Nicola Mazzocca) and FBK (co-leader: Marco Pistore). Other institutions

and companies: University of Milan - Bicocca, University of Salento, UNITN, Polytechnic of Bari, University of L'Aquila, CRS4, University of Catania

MobS and my personal role: leader of WP1 on “Modeling”.

Project Name: VERDI (Horizon Europe). 01/11/2021 - 31/10/2025

Funding: 15.395.599,42 Euros

FBK groups involved: Health Emergencies Center, MobS

Partners: University of Padua, Utrecht University, ISI Foundation, UCL, Coneno GMBH, University of Verona, Penta Foundation, INSERM, University of Cape Town, Hasselt University, Stellenbosch University, Mor Research Applications, University of Basel, Antwerp University, Imperial College, Mahidol University, Chiang Mai University, etc.

Project Name: Precrisis (ISF - EU Commission). 01/05/2023 - 30/04/2025

Funding: 1.996.347,00 Euros

FBK groups involved: Devil, Land, DH, MobS, Digital Society Lab, DIGIS PMG

Partners: SAHER Europe, CERTH, Johanniter Research and Innovation Centre, City of Trento, European Institute Foundation, Development Agency of Lemesos, Bavarian Police University, etc.

Project Name: AI@Edge (H2020). 01/01/2021 - 31/12/2023

Funding: 8.001.247,50 Euros

FBK groups involved: SENSE, MobS, Digital Society Lab

Partners: RISE, Atos, Polytechnic University of Milan, DFKI, Ericsson, i2cat, CRF, INRIA, Lund University, TIM, Italtel, Athonet, National Technical University of Athens, Software Radio Systems, Aerotools, Eight Bells LTD, Le Cnam, Safran, Università Politecnica delle Marche

Project Name: AIAAAA. 01/09/2021 - 30/06/2023

Funding: 350.000,00 Euros

FBK groups involved: DKM, MobS, Smart Communities Lab

Partner: Dedagroup Business Solutions

Project Name: Stealth Go Cloud. 1/11/2021 - 30/04/2023

Funding: 250.000,00 Euros

FBK groups involved: MobS, Smart Communities Lab, Center for Cybersecurity

Partner: Dedagroup

Project Name: Infinittech (H2020). 1/10/2019 - 31/09/2022

Funding: 319.000,00 Euros.

Partners: GFT Italia, ABI, Banka Slovenije, Banking & Payments Federation Ireland, Genillard, JRC Capital Management, Caixa, National Bank of Greece, Poste Italiane, Prive Services Europe, Santander, Atos, Crowdpolicy, Fujitsu, HP, SIA, IBM, National University of Ireland Galway, University of Glasgow e University of Nicosia.

Project Name: AIR BREAK (EU program on Urban Innovative Actions). 1/07/2020 - 30/06/2023.

Funding: 344.628,00 Euros

FBK groups involved: DAS, MobS, Project Management Group, SCC Lab

Partners: Comune di Ferrara, Dedagroup Public Services S.r.l., Politecnico di Milano, Università di Ferrara, HERA, Fondazione Giacomo Brodolini, Lab Service Analitica, Sipro Ferrara.

Project Name: AIMS – Advanced Asset Issuing Model and Service (EIT Digital – Regular Activity of Digital Finance Action Line). 1/01/2020 – 31/12/2020.

Funding: 114.300,00 Euros.

Partners: GFT Italia, SIA, Paris Europlace, JRC.

Project Name: Trace4Safe - Hybrid contact (EIT Digital – COVID call). 1/07/2020 - 31/12/2020

Funding: 84.000,00 Euros

FBK groups involved: Security and Trust, RiSING

Partners: Thinkinside, Telefonica, University of Helsinki

Project Name: Social Listening-Acquafl. 5/11/2020 – 31/12/2020

Funding: 7500 Euros.

Project Name: SCM4SME - Smart Credit Management for Small and Medium Enterprises (EIT Digital – Regular Activity of Digital Finance Action Line). 1/10/2018 – 31/12/2019

Funding: 190.000,00 Euros.

FBK groups involved: MobS research unit and Smart Cities and Communities research line. I am the coordinator for FBK.

Partners: GFT Italia, GFT Spain, SIA, Finance Innovation, CAP Digital

Project Name: Paros-FBK 1/1/2018 – 31/12/2018

Funding: 40.000,00 Euros

FBK groups involved: MobS, Security and Trust. I am the coordinator for FBK.

Project Name: Maldives – United Nations Population Fund 1/11/2017 – 1/3/2018

Funding: 20.000,00 US dollars.

Project Name: Modernizing Crime Data Analysis Capacities for Crime Control and Prediction (Inter-American Development Bank) 1/1/2018 – 31/12/2018.

Funding: 60.000,00 US dollars.

Project Name: Cedus (European Institute of Technology - High Impact Initiative). 1/1/2018 – 31/12/2018.

Funding: 50.000,00 Euros.

Project Name: Distributed Ledger for Invoice Discounting (EIT Digital – Regular Activity of Digital Finance Action Line). 1/1/2018 – 31/12/2018

Funding: 157.032,00 Euros.

FBK groups involved: MobS, Security and Trust, MBPA. I am the coordinator for FBK.

Partners: GFT Italia, Cefriel, Innopay

Project Name: Intesa San Paolo – Health Project. 1/9/2017 – 31/12/2017.

Funding: 29.900,00 Euros.

Project Name: Street Smart Retail (European Institute of Technology - High Impact Initiative). 1/1/2017 – 31/12/2017.

Funding: 150.750,00 Euros.

Project Name: Cerved-FBK. 1/1/2017 – 31/07/2017.

Funding: 20.000,00 Euros.

Project Name: Bocconi SDA-FBK. 1/1/2017 – 31/12/2018.

Funding: 24.000,00 Euros.

Project Name: Street Smart Retail - Innovation management and global business development (European Institute of Technology High Impact Initiative). 1/1/2016 – 31/12/2016.

Funding: 55.000,00 Euros.

Project Name: Privacy-Aware Cyber-Security (Ministero degli Affari Esteri – Italia/Israele). 14/10/2015 – 19/10/2017.

Funding: 44.750,00 Euros.

Project Name: Overseas Development Institute – World Bank. 1/1/2016 – 1/6/2016.

Funding: 30.360,00 Euros.

Project Name: Professionals Fit to Perform - Algorithm and metric FUMO development (European Institute of Technology High Impact Initiative on Well-being). 1/1/2015 – 31/12/2015.

Funding: 107.000,00 Euros

FBK groups involved: MobS, MBPA, and i3. I was the coordinator for FBK.

Project Name: Professionals Fit to Perform (European Institute of Technology High Impact Initiative on Well-being). 1/1/2015 – 31/12/2015.

Funding: 25.000,00 Euros

FBK groups involved: Mobs, MBPA, and i3. I was the coordinator for FBK.

Marie Curie Cofund post-doctoral fellowship for outgoing projects inside the 7th EU framework. (June 2010 – June 2013).

Project Name: Public Enhanced Reasoning for Social Influence (PERSI).

Funding: 180.000,00 Euros

Awards

2023 Best contribution at NetMob 2023 with the work titled “*Mixing Individual and Collective Behaviors in Mobility Models*” authored by S. Bontorin, S. Centellegher, R. Gallotti, L. Pappalardo, M. De Domenico, B. Lepri, and M. Luca.

2021 10-Year Impact Award at Mobile and Ubiquitous Multimedia (MUM) for W. Dong, B. Lepri, and A. Pentland. *Modeling the Co-evolution of Behaviors and Social Relationships using Mobile Phone Data*.

Second prize at CIKM Analytic Cup 2017 (Singapore) for “Achille: A visual data-driven and network-based tool for transportation planning and simulation”.

2016 James Chen Annual Award for best UMUAI paper for B. Lepri, J. Staiano, E. Shmueli, F. Pianesi, and A. Pentland. *The Role of Personality in Shaping Social Networks and Mediating Behavioral Change*. In User Modeling and User-Adapted Interaction (UMUAI), Special Issue on Personality in Personalized Systems, 2016.

Best 2014 Ubicomp paper award for J. Staiano, N. Oliver, B. Lepri, R. de Oliveira, M. Caraviello, and N. Sebe. *Money Walks: A Human-Centric Study on the Economics of Personal Mobile Data*. In Proceedings Ubicomp 2014.

First prize at Datathon for Social Good 2013 organized in London by Telefonica, MIT Media Lab, and Open Data Institute. The name of the project is “Predicting Crime through footfall”.

The work done on personal data management, in collaboration with TIM, was cited as a reference case in 2013 by the World Economic Forum.

International and National Press

My research has received attention from international and national press: New York Times, Washington Post, Forbes, Bloomberg, MIT Technology Review, New Statesman, Fastco Design, La Stampa, Nova-Il Sole 24 Ore, Corriere della Sera, La Repubblica, Wired Italia, El Mundo, El Pais.

Other Activities

2023-2033: Abilitazione Scientifica Nazionale alle funzioni di professore universitario di prima fascia per il Settore Concorsuale 09/H1 (*Sistemi di Elaborazione delle Informazioni*)

2018-2024: Abilitazione Scientifica Nazionale alle funzioni di professore universitario di seconda fascia per il Settore Concorsuale 09/H1 (*Sistemi di Elaborazione delle Informazioni*)

ELLIS (European Lab for Learning and Intelligent Systems) fellow of the Human-centric machine learning program. Program directors: Nuria Oliver (ELLIS Spain and Data-Pop Alliance), Adrian Weller (University of Cambridge and The Alan Turing Institute), and Plamen Angelov (Lancaster University). Other fellows: Manuel Gomez-Rodriguez (Max Planck Institute), Christian Theobalt (Saarland University), Nozha Boujemaa (INRIA), Carlos Castillo (Pompeu Fabra University), Ciro Cattuto (ISI Foundation), Sergio Escalera (University of Barcelona), Chris Russell (Oxford Internet Institute), Karen Yeung (Birmingham Law School), Thomas Hofmann (ETH Zurich), Novi Quadrianto (University of Sussex), Emilia Gomez (Joint Research Center European Commission, Pompeu Fabra University), Guoying Zhao (University of Oulu), and Krishna Gummadi (Max Planck Institute): 2019 – current

Scientific Advisory Board of the ELLIS Foundation Alicante: 2022 – current. Other members: Alex Pentland (MIT), Adrian Weller (Alan Turing Institute), Emilia Gomez (Joint Research Unit of the European Commission), Krishna Gummadi (Max Planck

Institute), Carlos Castillo (University Pompeu Fabra), Tanzeem Choudhury (Cornell Tech), Ramon Lopez de Mantaras (Spanish National Research Council)

Jury member of the Vienna Science and Technology Fund on “Empirical Social Sciences”: 2022-2023

Member of the task force on Data Economy of the Italian Ministry of Economic Development: 2022; and member of ISTAT Big Data Committee: 2016-2020

Occasional consultant for (i) Microsoft Europe/LinkedIn on AI impact on job automation and displacement; (ii) United Ventures, an Italian independent venture capital firm; (iii) Adecco Italia on AI and HR; (iv) The World Bank on big data projects; (v) French Development Agency on big data projects.

Scientific Advisor of MIT Mobile and Experience Lab (Prof. Federico Casalegno): September 2016 – December 2016

Committee member of Doctorate Program in Industrial Innovation: 2019 – current

Executive committee member of ICT Doctoral School, University of Trento: 2015 – 2018

Co-organizer of Telecom Italia Big Data Challenge 2014

Evaluation and Advisory Board member of TIM (Telecom Italia) Big Data Challenge 2015

Current and past advisory board member of several startups: (i) Immanence, legal and ethical consultancy company on AI systems; (ii) Crafter.AI, company on chatbot and psychometric solutions; (iii) Appetitoso, startup developing mobile and web services for food and restaurant recommendations.

Mentor for startups within the Impact Deal acceleration program (<https://impactdeal.eu/>).

Organizer of the FBK-MIT Human Observatories Inaugural Event. Speakers: Alex Pentland (MIT), Ciro Cattuto (ISI Foundation), Andrea Pezzi (Unipol-SAI), Susan Athey (Stanford University), Fosca Giannotti (CNR), Cristiano Motto (Barclays Europe), Dino Pedreschi (Università di Pisa), Francesco Calabrese (Vodafone Italia), Daniele Quercia (Nokia Bell Labs), Emmanuel Letouze (Data-Pop Alliance), Fabrizio Lillo (Scuola Normale Superiore di Pisa), Rahul Nair (IBM), Espen Beer Prydz (World Bank).

Publications

Edited Books

[1] A.A. Salah, A. Pentland, B. Lepri, E. Letouzé, Y.-A. de Montjoye, X. Dong, and P. Vinck (eds.). *Guide to Mobile Data Analytics in Refugee Scenarios*. Springer. 2019

[2] A.A. Salah, and B. Lepri (eds.). *Human Behavior Understanding - Second International Workshop*, HBU 2011, Amsterdam, The Netherlands, November 16, 2011, Lecture Notes in Computer Science (LNCS) 7065, Springer Verlag, Berlin Heidelberg.

Edited Journal Special Issues

[1] B. Lepri, F. Antonelli, F. Pianesi, and A. Pentland (eds.). *Making Big Data Work: Smart, Sustainable and Safe Cities*, EPJ Data Science, October 2015.

[2] A.A. Salah, B. Lepri, A. Pentland, and J. Canny (eds.). *Understanding and Changing Behavior*, IEEE Pervasive Magazine, September 2013.

Journal Papers

[1] A. Longa, G. Cencetti, S. Lehmann, A. Passerini, and B. Lepri. *Generating fine-grained surrogate temporal networks*.

Communications Physics, Accepted for publication. (Q1).¹

[2] G. Cencetti, L. Lucchini, G. Santin, F. Battiston, E. Moro, A. Pentland, and B. Lepri. *Temporal clustering of social interactions trades-off disease spreading and knowledge diffusion*. Journal of The Royal Society Interface, Accepted for publication. (Q1).

[3] H.A. Contreras, C. Candia, R. Troncoso, L. Ferres, L. Bravo, B. Lepri, and C. Rodriguez-Sickert. *Linking physical violence to women's mobility in Chile*. EPJ Data Science, 2023. (Q1).

[4] N.A. Girardini, S. Centellegher, A. Passerini, I. Bison, F. Giunchiglia, and B. Lepri. *Adaptation of student behavioural routines during COVID-19: A multimodal approach*. EPJ Data Science, 2023. (Q1).

[5] A. Bucchiarone, S. Bassanelli, M. Luca, S. Centellegher, P. Cipriano, L. Giovannini, B. Lepri, and A. Marconi. *Play&Go corporate: An end-to-end solution for facilitating urban cyclability*. IEEE Transactions on Intelligent Transportation Systems, 2023. (Q1).

[6] V. Vergara Hidd, M. Zhang, S. Centellegher, S.G.B. Roberts, B. Lepri, and E. Lopez. *The rhythms of transient relationships: Allocating time between weekdays and weekends*. Royal Society Open Science, 2023. (Q1).

[7] A. Longa, V. Lachi, G. Santin, M. Bianchini, B. Lepri, P. Lio, F. Scarselli, and A. Passerini. *Graph Neural Networks for temporal graphs: State of the art, open challenges, and opportunities*. Transactions of Machine Learning Research, 2023.

[8] V. Vergara Hidd, E. Lopez, S. Centellegher, S.G.B. Roberts, B. Lepri, and R.I.M. Dunbar. *The stability of transient relationships*. Scientific Reports, 2023. (Q1).

[9] M. Luca, G.M. Campedelli, S. Centellegher, M. Tizzoni, and B. Lepri. *Crime, inequality, and public health: A survey of emerging trends in data science*. Frontiers in Big Data, 2023. (Q1).

[10] M. Luca, L. Pappalardo, B. Lepri, and G. Barlacchi. *Trajectory test-train overlap in next location prediction datasets*. Machine Learning, 2023. (Q1).

[11] G. De Toni, B. Lepri, and A. Passerini. *Synthesizing explainable counterfactual policies for algorithmic recourse with program synthesis*. Machine Learning, 2023. (Q1)

[12] M. Luca, B. Lepri, E. Frias-Martinez, and A. Lutu. *Modeling international mobility using roaming cell phone traces during COVID-19 pandemic*. EPJ Data Science, 2022. (Q1)

[13] G. Santin, I. Skarbovsky, F. Fournier, and B. Lepri. *A framework for verifiable and auditable collaborative anomaly detection*. IEEE Access, 2022. (Q1)

[14] M. De Nadai, K. Roomp, B. Lepri, and N. Oliver. *The impact of control and mitigation strategies during the second wave of Coronavirus infections in Spain and Italy*. Scientific Reports, 2022. (Q1)

[15] E. Leoni, G. Cencetti, G. Santin, T. Istomin, D. Molteni, G. P. Picco, E. Farella, B. Lepri, and A. L. Murphy. *Measuring close proximity interactions in summer camps during the COVID-19 pandemic*. EPJ Data Science, 2022. (Q1)

[16] Y. Liu, Y. Chen, L. Bao, N. Sebe, B. Lepri, and M. De Nadai. *ISF-GAN: An implicit style function for high resolution image-to-image translation*. IEEE Transactions on Multimedia, 2022. (Q1)

[17] A. Bonassi, I. Cataldo, G. Gabrieli, M. Tandiono, J.N. Foo, B. Lepri, and G. Esposito. *The interaction between serotonin transporter allelic variation and maternal care modulates Instagram sociability in a sample of Singaporean users*. International Journal of Environmental Research and Public Health, 2022. (Q1)

[18] D. Cannata, S. Breil, B. Lepri, M. Back, and D. O'Hora. *Toward an integrative approach to personality detection: Connecting psychological and artificial intelligence research*. Technology, Mind, and Behavior, 2022.

¹ Quartiles are based on Scimago Journal & Country Rankings (<https://www.scimagojr.com/>). The quartile selected is the highest one for the publication year. No focus on specific disciplinary research areas.

- [19] A. Longa, G. Cencetti, B. Lepri, and A. Passerini. *An efficient procedure for mining egocentric temporal motifs*. Data Mining and Knowledge Discovery (DAMI), 2022. (Q1)
- [20] L. Lucchini, S. Centellegher, L. Pappalardo, R. Gallotti, F. Privitera, B. Lepri, and M. De Nadai. *Living in a pandemic: Changes in mobility routines, social activity and adherence to COVID-19 protective measures*. Scientific Reports, 2021. (Q1)
- [21] W. Zhang, Q. Shen, S. Teso, B. Lepri, A. Passerini, I. Bison, and F. Giunchiglia. *Putting human behavior predictability in context*. EPJ Data Science. (Q1)
- [22] M. Luca, G. Barlacchi, B. Lepri, and L. Pappalardo. *A survey on deep learning for human mobility*. ACM Computing Surveys, 2021. (Q1)
- [23] A. Bonassi, A. Carollo, I. Cataldo, G. Gabrieli, M. Tandiono, J.N. Foo, B. Lepri, and G. Esposito. *Modulation of Instagram number of followings by avoidance in close relationships in young adults under a gene x environment perspective*. International Journal of Environmental Research and Public Health, 2021. (Q2)
- [24] G. Cencetti, G. Santin, A. Longa, E. Pigani, A. Barrat, C. Cattuto, S. Lehmann, M. Salathé, and B. Lepri. *Digital proximity tracing on empirical contact networks for pandemic control*. Nature Communications, 2021. (Q1)
- [25] G. Cencetti, F. Battiston, B. Lepri, and M. Karsai. *Temporal properties of higher-order interactions in social networks*. Scientific Reports, 2021 (Q1).
- [26] N. Tovanich, S. Centellegher, N. Bennacer Seghouani, J. Gladstone, S. Matz, and B. Lepri. *Inferring psychological traits from spending categories and dynamic consumption patterns*. EPJ Data Science, 2021 (Q1).
- [27] B. Lepri, N. Oliver, and A. Pentland. *Ethical machines: The human-centric use of Artificial Intelligence*. iScience, 2021 (Q1).
- [28] F. Yang, A. Vereshchaka, B. Lepri, and W. Dong. *Optimizing city-scale traffic through modeling isolated observations of vehicle movements*. IEEE Transactions on Intelligent Transportation Systems, 2021 (Q1).
- [29] D. Balažka, D. Houtman, and B. Lepri. *How can Big Data shape the field of non-religion studies? And why does it matter?* Patterns, 2021 (Q2).
- [30] A. Carollo, A. Bonassi, I. Cataldo, G. Gabrieli, M. Tandiono, J.N. Foo, B. Lepri, and G. Esposito. *The relation between oxytocin receptor gene polymorphisms, adult attachment and Instagram sociability: an exploratory analysis*. Heliyon, 2021 (Q1).
- [31] I. Cataldo, A. Bonassi, B. Lepri, J.N. Foo, P. Setoh, and G. Esposito. *Recalled parental bonding interacts with oxytocin receptor gene polymorphism in modulating anxiety and avoidance in adult relationships*. Brain Sciences, 2021 (Q2).
- [32] A. Bonassi, T. Ghilardi, G. Gabrieli, A. Truzzi, H. Doi, J.L. Borelli, B. Lepri, K. Shinohara, and G. Esposito. *The recognition of cross-cultural emotional faces is affected by intensity and ethnicity in a Japanese sample*. Behavioral Sciences, 2021 (Q2).
- [33] A. Bonassi, I. Cataldo, G. Gabrieli, B. Lepri, and G. Esposito. *Serotonin transporter gene polymorphisms and maternal overprotection regulate adult social expectations on close relationships*. Brain Sciences, 2021 (Q2).
- [34] M. Nanni, G.L. Andrienko, A.L. Barabasi, C. Boldrini, F. Bonchi, C. Cattuto, F. Chiaromonte, G. Comandé, M. Conti, M. Condé, F. Dignum, V. Dignum, J. Domingo-Ferrer, P. Ferragina, F. Giannotti, R. Guidotti, D. Helbing, K. Kaski, J. Kertész, S. Lehmann, B. Lepri, P. Lukowicz, S. Matwin, D. Megias, A. Monreale, K. Morik, N. Oliver, A. Passarella, A. Passerini, D. Pedreschi, A. Pentland, F. Pianesi, F. Pratesi, S. Rinzivillo, S. Ruggeri, A. Siebes, V. Torra, R. Trasarti, J. van den Hoven, and A. Vespignani. *Give more data, awareness and control to individual citizens, and they will help COVID-19 containment*. Ethics and Information Technology, 2021 (Q1).
- [35] P. Bosetti, P. Poletti, M. Stella, B. Lepri, S. Merler, and M. De Domenico. *Heterogeneity in social and epidemiological factors determines the risk of measles outbreaks*. PNAS, 2020 (Q1).
- [36] L. Lucchini, L. Alessandretti, B. Lepri, A. Gallo, and A. Baronchelli. *From code to market: Network of developers and correlated returns of cryptocurrencies*. Science Advances, 2020 (Q1).

- [37] N. Oliver, B. Lepri, H. Sterly, R. Lambiotte, S. Deletaille, M. De Nadai, E. Letouzé, A.A. Salah, R. Benjamins, C. Cattuto, V. Colizza, N. de Cordes, S.P. Fraiberger, T. Koebe, S. Lehmann, J. Murillo, A. Pentland, P.N. Pham, F. Pivetta, J. Saramäki, S.V. Scarpino, M. Tizzoni, S. Verhulst, and P. Vinck. *Mobile phone data for informing public health actions across the COVID-19 pandemic life cycle*. Science Advances, 2020 (Q1).
- [38] G. Barlacchi, B. Lepri, and A. Moschitti. *Land use classification with point of interests and structural patterns*. IEEE Transactions on Knowledge and Data Engineering, 2020 (Q1).
- [39] L. Khaidem, M. Luca, F. Yang, A. Anand, B. Lepri, and W. Dong. *Optimizing transportation dynamics at a city-scale using a reinforcement learning framework*. IEEE Access, 2020 (Q1).
- [40] M. De Nadai, Y. Xu, E. Letouzé, M. Gonzalez, and B. Lepri. *Socio-economic, built environment, and mobility conditions associated with crime: A study of multiple cities*. Scientific Reports, 2020 (Q1).
- [41] X. Dong, A. Morales, E. Jahani, E. Moro, B. Lepri, B. Bozkaya, C. Sarraute, Y. Bar-Yam, and A. Pentland. *Segregated interaction in urban and online spaces*. EPJ Data Science, 2020 (Q1).
- [42] I. Cataldo, M. Neoh, W.F. Chew, J.N. Foo, B. Lepri, and G. Esposito. *Oxytocin receptor gene and parental bonding modulate prefrontal responses to cries: A Nirs study*. Scientific Reports, 2020 (Q1).
- [43] I. Cataldo, B. Lepri, M. Neoh, and G. Esposito. *Social media usage and development of psychiatric disorders in childhood and adolescence*. Frontiers in Psychiatry, 2020 (Q1).
- [44] H. Chassidim, C. Perentis, E. Toch, and B. Lepri. *Between privacy and security: The factors that drive intentions to use cyber-security applications*. Behaviour & Information Technology, 2020 (Q1).
- [45] X. Dong, E. Jahani, A. Morales, B. Bozkaya, B. Lepri, and A. Pentland. *Purchase patterns, socioeconomic status, and political inclination*. The World Bank Economic Review, 2020 (Q1).
- [46] A. Bonassi, I. Cataldo, G. Gabrielli, J.N. Foo, B. Lepri, and G. Esposito. *Oxytocin receptor gene polymorphisms and early parental bonding interact in shaping Instagram social behaviour*. International Journal of Environmental Research and Public Health, 2020 (Q2).
- [47] M. Nanni, G.L. Andrienko, A.L. Barabasi, C. Boldrini, F. Bonchi, C. Cattuto, F. Chiaromonte, G. Comandé, M. Conti, M. Condé, F. Dignum, V. Dignum, J. Domingo-Ferrer, P. Ferragina, F. Giannotti, R. Guidotti, D. Helbing, K. Kaski, J. Kertész, S. Lehmann, B. Lepri, P. Lukowicz, S. Matwin, D. Megias, A. Monreale, K. Morik, N. Oliver, A. Passarella, A. Passerini, D. Pedreschi, A. Pentland, F. Pianesi, F. Pratesi, S. Rinzivillo, S. Ruggeri, A. Siebes, V. Torra, R. Trasarti, J. van den Hoven, and A. Vespignani. *Give more data, awareness and control to individual citizens, and they will help COVID-19 containment*. Transactions on Data Privacy, 2020 (Q3).
- [48] L. Lucchini, S. Tonelli, and B. Lepri. *Following the footsteps of giants: A network approach to mobility for cultural analytics*. In EPJ Data Science, 2019 (Q1).
- [49] M. De Nadai, A. Cardoso, A. Lima, B. Lepri, and N. Oliver. *Strategies and limitations in app usage and human mobility*. Scientific Reports, 2019 (Q1).
- [50] L. Candeago, G. Bertagnolli, P. Bosetti, M. Vescovi, F. Sacco, and B. Lepri. *Cities of a feather flock together: A study on the synchronization of communication between Italian cities*. EPJ Data Science, 2019 (Q1).
- [51] A. Rossi, G. Barlacchi, M. Bianchini, and B. Lepri. *Modelling taxi driver behaviour for predicting the next destination*. IEEE Transactions on Intelligent Transportation Systems, 2019 (Q1).
- [52] D. Gundogdu, P. Panzarasa, N. Oliver, and B. Lepri. *Social capital and mobile phone data: Evidence from a developing country*. PLoS ONE, 2019 (Q1).
- [53] A.L. Alfeo, M.G.C.A. Cimino, B. Lepri, A. Pentland, and G. Vaglini. *Assessing the integration of refugees through their calling*

behavior and collective mobility via computational stigmergy. IEEE Transactions on Computational Social Systems, 2019 (Q1).

[54] N. Fabrizio, E. Rossi, A. Martini, D. Anastasovski, P. Cappello, L. Candego, and B. Lepri. *Invoice discounting: A blockchain-based approach*. Frontiers in Blockchain, 2019.

[55] W. Dong, T. Guan, B. Lepri, and C. Qiao. *PocketCare: Tracking flu from partial observation of proximity and symptoms with mobile phones*. Proceedings of ACM Interactive, Mobile and Wearable Ubiquitous Technology, 2019.

[56] M. Mamei, F. Pancotto, M. De Nadai, B. Lepri, M. Vescovi, F. Zambonelli, and A. Pentland. *Synchronization as a measure of social capital*. EPJ Data Science, 2018 (Q1).

[57] A.L. Alfeo, M.G.C.A. Cimino, S. Egidi, B. Lepri, and G. Vaglini. *A stigmergy-based analysis of city hotspots to discover trends and anomalies in urban transportation usage*. IEEE Transactions on Intelligent Transportation Systems, 2018 (Q1).

[58] E. Toch, C. Bettini, E. Shmueli, L. Radaelli, A. Lanzi, D. Riboni, and B. Lepri. *The privacy implications of cyber-security systems: A technological survey*. ACM Computing Surveys, 2018 (Q1).

[59] I. Cataldo, A. Azhari, B. Lepri, and G. Esposito. *Oxytocin receptors (OXTR) and early parental care: An interaction that modulates the emergence of psychopathology*. Research in Developmental Disabilities, 2018 (Q1).

[60] X. Dong, Y. Suhara, B. Bozkaya, V. Singh, B. Lepri, and A. Pentland. *Social bridges in urban purchase behavior*. In ACM Transactions on Intelligent Systems and Technology, 2018 (Q1).

[61] B. Lepri, N. Oliver, E. Letouzé, P. Vinck, and A. Pentland. *Fair, transparent, and accountable decision making processes: The premise, the proposed solutions, and the open challenges*. Philosophy and Technology, 2018 (Q1).

[62] S. Centellegher, G., Miritello, D., Villatoro, D., Parameshwar, B. Lepri, and N. Oliver. *Mobile money: Understanding and predicting its adoption and use in a developing economy*. Proceedings of ACM Interactive, Mobile and Wearable Ubiquitous Technology, 2018.

[63] G. Barlacchi, C. Perentis, A. Mehotra, M. Musolesi, and B. Lepri. *Are you getting sick? Predicting influenza-like symptoms using human mobility behaviors*. EPJ Data Science, 2017 (Q1).

[64] D. Gundogdu, J. Staiano, A. Finnerty, S. Teso, A. Passerini, F. Pianesi, and B. Lepri. *Investigating the association between social Interactions and personality states dynamics*. Royal Society Open Science, 2017 (Q1).

[65] S. Centellegher, E. Lopez, J. Saramaki, and B. Lepri. *Personality traits and ego-network dynamics*. PLoS ONE, 2017 (Q1).

[66] P. Poletti, R. Visintainer, B. Lepri, and S. Merler. *The Interplay between individual social behavior and clinical symptoms in small clustered groups*. BMC Infectious Diseases, 2017 (Q1).

[67] C. Perentis, M. Vescovi, C. Leonardi, C. Moiso, M. Musolesi, F. Pianesi, and B. Lepri. *Anonymous or not? Understanding the factors affecting personal mobile data disclosure*. ACM Transactions on Internet Technology, 2017 (Q2).

[68] A. Bogomolov, B. Lepri, R. Larcher, F. Antonelli, F. Pianesi, and A. Pentland. *Energy consumption prediction using people dynamics derived from cellular network data*. EPJ Data Science, 2016 (Q1).

[69] D. Gundogdu, O. Incel, A.A. Salah, and B. Lepri. *Countrywide arrhythmia: Emergency event detection using mobile phone data*. EPJ Data Science, 2016 (Q1).

[70] A. Alshamsi, F. Pianesi, B. Lepri, A. Pentland, and I. Rahwan. *Network diversity and affect dynamics: The role of personality traits*. PLoS ONE, 2016 (Q1).

[71] S. Centellegher, M. De Nadai, M. Caraviello, C. Leonardi, M. Vescovi, Y. Ramadian, N. Oliver, F. Pianesi, A. Pentland, F. Antonelli, and B. Lepri. *The Mobile Territorial Lab: A multilayered and dynamic view on parents' daily lives*. EPJ Data Science, 2016 (Q1).

- [72] L. Batrinca, N. Mana, B. Lepri, F. Pianesi, and N. Sebe. *Multimodal personality recognition in collaborative goal-oriented tasks*. IEEE Transactions on Multimedia, 2016 (Q1).
- [73] B. Lepri, J. Staiano, E. Shmueli, F. Pianesi, and A. Pentland. *The role of personality in shaping social networks and mediating behavioral change*. User Modeling and User-Adapted Interaction (UMUAI), 2016 (Q1).
- [74] X. Alameda-Pineda, J. Staiano, R. Subramanian, L. Batrinca, E. Ricci, B. Lepri, O. Lanz and N. Sebe. *SALSA: A novel dataset for multimodal group behavior analysis*. IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), 2015 (Q1).
- [75] A. Alshamsi, F. Pianesi, B. Lepri, A. Pentland, and I. Rahwan. *Beyond contagion: Reality mining reveals complex patterns of social influence*. In PLoS ONE, 2015 (Q1).
- [76] G. Barlacchi, M. De Nadai, R. Larcher, A. Casella, C. Chitic, G. Torrissi, F. Antonelli, A. Vespignani, A. Pentland, and B. Lepri. *A multi-source dataset of urban life in the city of Milan and Trentino Province*. Scientific Data, 2015 (Q1).
- [77] A. Bogomolov, B. Lepri, J. Staiano, E. Letouze, N. Oliver, F. Pianesi, and A. Pentland. *Moves on the street: Classifying crime hotspots using aggregated anonymized data on people dynamics*. Big Data, 2015 (Q2).
- [78] E. Shmueli, V.K. Singh, B. Lepri, and A. Pentland. *Sensing, understanding, and shaping social behavior*. IEEE Transactions on Computational Social Systems, 2014
- [79] A.A. Salah, B. Lepri, A. Pentland, and J. Canny. *Understanding and changing behavior*. IEEE Pervasive Computing, 2013 (Q1).
- [80] V. K. Singh, L. Freeman, B. Lepri, and A. Pentland. *Classifying spending behavior using socio-mobile data*. ASE Human Journal, 2013.
- [81] W. Dong, B. Lepri, F. Pianesi, and A. Pentland. *Modeling functional roles dynamics in small group interactions*. W. Dong, B. Lepri, F. Pianesi, and A. Pentland. IEEE Transactions on Multimedia, 2013 (Q1).
- [82] B. Lepri, R. Subramanian, K. Kalimeri, J. Staiano, F. Pianesi, and N. Sebe. *Connecting meeting behavior with Extraversion – A systematic study*. IEEE Transactions on Affective Computing, 2012 (Q1).
- [83] W. Dong, B. Lepri, and A. Pentland. *Tracking social evolution of behavior and relationships with mobile phones*. Tsinghua Science and Technology, 2012 (Q3).
- [84] B. Lepri, N. Mana, A. Cappelletti, F. Pianesi, and M. Zancanaro. *What is happening now? - Detection of activities of daily living from simple visual features*. Personal and Ubiquitous Computing, 2010 (Q1).
- [85] F. Pianesi, M. Zancanaro, E. Not, C. Leonardi, V. Falcon, and B. Lepri. *Multimodal support to group dynamics*. Personal and Ubiquitous Computing, 2008 (Q1).
- [86] F. Pianesi, M. Zancanaro, B. Lepri, and A. Cappelletti. *Multimodal annotated corpora of consensus decision making meetings*. Language Resources and Evaluation, 2007 (Q2).

Conference Papers

- [1] B. Lepri, S. Centellegher, and M. De Nadai. Understanding and rewiring cities. In Proceedings of ADBIS 2022.
- [2] Y. Liu, E. Sangineto, W. Bi, N. Sebe, B. Lepri, and M. De Nadai. Efficient training of visual transformers with small datasets. In Proceedings of NeurIPS 2021² (GGS rating: A++).
- [3] P. Ardino, M. De Nadai, B. Lepri, E. Ricci, and S. Lathuilière. *Click to move: Controlling video generation with sparse motion*. In Proceedings of ICCV 2021 (GGS rating: A++).

² <http://gii-grin-scie-rating.scie.es/ratingSearch.jsf>

- [4] Y. Liu, E. Sangineto, Y. Chen, L. Bao, H. Zhang, N. Sebe, B. Lepri, W. Wang, M. De Nadai. *Smoothing the disentangled latent style space for unsupervised image-to-image translation*. In Proceedings of CVPR 2021 (GGS rating: A++).
- [5] E. Beretta, A. Vetrò, B. Lepri, and J.C. de Martin. *Detecting discriminatory risk through data annotation based on Bayesian inference*. In Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT), 2021.
- [6] R. Gomez, Y. Liu, M. De Nadai, D. Karatzas, B. Lepri, and N. Sebe. *Retrieval guided unsupervised multi-domain image-to-image translation*. In Proceedings of ACM-MM 2020 (GGS rating: A++).
- [7] Y. Liu, M. De Nadai, D. Cai, H. Li, X. Alameda-Pineda, N. Sebe, and B. Lepri. *Describe what to change: A text-guided unsupervised image-to-image translation approach*. In Proceedings of ACM-MM 2020 (GGS rating: A++).
- [8] P. Ardino, Y. Liu, E. Ricci, B. Lepri, and M. De Nadai. *Semantic-guided inpainting network for complex urban scenes manipulation*. In Proceedings of ICPR 2020 (GGS rating: A-).
- [9] F. Yang, B. Lepri, W. Dong. *Optimal control in partially observable complex social systems*. In Proceedings of AAMAS 2020 (GGS rating: A+).
- [10] M. De Nadai, B. Lepri, and N. Oliver. *Understanding individual behaviour: from virtual to physical patterns*. In Proceedings of ECAI 2020 - highlight paper (GGS rating: A).
- [11] G. Yeghikyan, F.L. Opolka, M. Nanni, B. Lepri, and P. Liò. *Learning mobility flows from urban features with spatial interaction models and neural networks*. In Proceedings of SMARTCOMP 2020.
- [12] A. Beretta, M. Zancanaro, and B. Lepri. *Following wrong suggestions: Self-blame in human and computer scenarios*. In Proceedings of INTERACT 2019 - short paper (GGS rating: A-).
- [13] Y. Liu, M. De Nadai, G. Zen, N. Sebe, and B. Lepri. *Gesture-to-gesture translations in the wild via category-independent conditional maps*. In Proceedings of ACM-MM 2019 (GGS rating: A++).
- [14] A.L. Alfeo, E. Castelló Ferrer, Y. Lizarribar Carrillo, A. Grignard, L.A. Pastor, D.T. Sleeper, M. Cimino, B. Lepri, G. Vaglini, K. Larson, M. Dorigo, and A. Pentland. *Urban Swarms: A new approach for autonomous waste management*. In Proceedings of ICRA 2019 (GGS rating: A).
- [15] A.L. Alfeo, M. Cimino, B. Lepri, A. Pentland, G. Vaglini. *Detecting permanent and intermittent purchase hotspots via computational stigmergy*. In Proceedings of ICPRAM 2019.
- [16] E. Beretta, A. Santangelo, B. Lepri, A. Vetrò, and J.C. De Martin. *The invisible power of fairness: How machine learning shapes democracy*. In Proceedings of Canadian AI 2019.
- [17] F. Celli, and B. Lepri. *Is Big Five better than MBTI? A personality computing challenge using Twitter data*. In Proceedings of CLiC-it 2018.
- [18] E. Beretta, A. Vetrò, B. Lepri, and J.-C. De Martin. *Ethical and socially-aware data labels*. In Proceedings of SIMBig 2018.
- [19] M. De Nadai, and B. Lepri. *The economic value of neighborhoods: Predicting real estate prices from the urban environment*. In Proceedings of DSAA 2018.
- [20] M. Ferretti, G. Barlacchi, L. Pappalardo, L. Lucchini, and B. Lepri. *Weak nodes detection in urban transport systems: Planning for resilience in Singapore*. In Proceedings of DSAA 2018.
- [21] G. Barlacchi, A. Rossi, B. Lepri, and A. Moschitti. *Structural semantic models for automatic analysis of land use*. In Proceedings of ECML-PKDD 2017 (GGS rating: A).
- [22] F. Celli, P. Zani Massani, B. Lepri. *Profilio: Psychometric profiling to boost social media advertising*. In Proceedings of ACM-MM 2017 - Track on Business Venture Proposals (GGS rating: A++).

- [23] C. Segalin, F. Celli, L. Polonio, M. Kosinski, D. Stillwell, N. Sebe, M. Cristani, and B. Lepri. *What your Facebook profile picture reveals about your personality*. In Proceedings of ACM-MM 2017 (GGS rating: A++).
- [24] M. Starnini, B. Lepri, A. Baronchelli, A. Barrat, C. Cattuto, and R. Pastor-Satorras. *Robust modeling of human contact networks across different scales and proximity-sensing techniques*. In Proceedings of SocInfo 2017.
- [25] G. Barlacchi, B. Lepri, and A. Moschitti. *Predicting land use of Italian cities using structural semantic models*. In Proceedings of CLiC-it 2017.
- [26] A.L. Alfeo, M.G.C.A. Cimino, S. Egidi, B. Lepri, A. Pentland, and G. Vaglini. *Stigmergy-based modeling to discover urban activity patterns from positioning data*. In Proceedings of SBP-BRIMS 2017.
- [27] S. Menini, R. Sprugnoli, G. Moretti, E. Bignotti, S. Tonelli, and B. Lepri. *RAMBLE ON: Tracing movements of popular historical figures*. In Proceedings of EACL 2017 - demo paper (GGS rating: A).
- [28] M. De Nadai, R. Vieri, G. Zen, S. Dragicevic, N. Naik, M. Caraviello, C. Hidalgo, N. Sebe, and B. Lepri. *Are safer looking neighborhoods more lively? A multimodal investigation into urban life*. In Proceedings of ACM-MM 2016 (GGS rating: A++).
- [29] M. De Nadai, J. Staiano, R. Larcher, N. Sebe, D. Quercia, and B. Lepri. *The life and death of great Italian cities: A mobile phone data perspective*. In Proceedings of WWW 2016 (GGS rating: A++).
- [30] L. Porti, S. Rota-Bulò, B. Lepri, and E. Ricci. *Predicting and understanding urban perception with Convolutional Neural Networks*. In Proceedings of ACM-MM 2015 (GGS rating: A++).
- [31] P. Massa, C. Leonardi, B. Lepri, F. Pianesi, and M. Zancanaro. *If you are happy and you know it, say I'm here: Investigating parents' location-sharing preferences*. In Proceedings of INTERACT 2015 (GGS rating: A-).
- [32] C. Perentis, M. Vescovi, and B. Lepri. *Investigating factors affecting personal data disclosure*. In Proceedings of WWW 2015 – poster (GGS rating: A++).
- [33] A. Bogomolov, B. Lepri, J. Staiano, N. Oliver, F. Pianesi, and A. Pentland. *Once upon a crime: Towards crime prediction from demographics and mobile data*. In Proceedings of ICMI 2014 (GGS rating: A-).
- [34] A. Bogomolov, B. Lepri, M. Ferron, F. Pianesi, and A. Pentland. *Daily stress recognition from mobile phone data, weather conditions and individual traits*. In Proceedings of ACM-MM 2014 (GGS rating: A++).
- [35] F. Celli, E. Bruni, and B. Lepri. *Automatic personality and interaction style recognition from Facebook profile pictures*. In Proceedings of ACM-MM 2014 – short paper (GGS rating: A++).
- [36] J. Staiano, N. Oliver, B. Lepri, R. de Oliveira, M. Caraviello, and N. Sebe. *Money walks: A human-centric study on the economics of personal mobile data*. In Proceedings of Ubicomp 2014 (GGS rating: A+).
- [37] M. Vescovi, C. Perentis, C. Leonardi, B. Lepri, and C. Moiso. *My Data Store: Towards user awareness and control on personal data*. In Proceedings of Ubicomp 2014 – poster (GGS rating: A+).
- [38] S. Tait, C. Leonardi, M. Zancanaro, M. Caraviello, B. Lepri, and P. Massa. *Towards collaborative communities: A preliminary study on exchange of goods and services in local contexts*. In Proceedings of NordiCHI 2014 – poster (GGS rating: B).
- [39] C. Leonardi, M. Caraviello, A. Cappellotto, B. Lepri, and F. Antonelli. *SecondNose: An air quality mobile crowdsensing system*. In Proceedings of NordiCHI 2014 – demo (GGS rating: B).
- [40] C. Leonardi, N. Doppio, B. Lepri, M. Zancanaro, M. Caraviello, and F. Pianesi. *Exploring long-term participation within a Living Lab: Satisfaction, motivations and expectations*. In Proceedings of NordiCHI 2014 – poster (GGS rating: B).
- [41] V.K. Singh, L. Freeman, B. Lepri, and A. Pentland. *Predicting spending behavior using socio-mobile features*. In Proceedings of IEEE/ASE SocialCom 2013.

- [42] S. Teso, J. Staiano, B. Lepri, A. Passerini, and F. Pianesi. *Ego-centric graphlets for personality and affective states recognition*. In Proceedings of IEEE/ASE SocialCom 2013.
- [43] A. Bogomolov, B. Lepri, and F. Pianesi. *Happiness recognition from mobile phone data*. In Proceedings of IEEE/ASE SocialCom 2013.
- [44] T.M.T. Do, K. Kalimeri, B. Lepri, F. Pianesi, and D. Gatica-Perez. *Inferring social activities with mobile sensor network*. In Proceedings of ICMI 2013 (GGS rating: A-).
- [45] K. Kalimeri, B. Lepri, and F. Pianesi. *Going beyond traits: Multimodal classification of personality states in the wild*. In Proceedings of ICMI 2013 (GGS rating: A-).
- [46] K. Kalimeri, B. Lepri, O. Aran, D. Jayagopy, D. Gatica-Perez, and F. Pianesi. *Modeling dominance effects on non-verbal behaviors using Granger causality*. In Proceedings of ICMI 2012 (GGS rating: A-).
- [47] L. Batrinca, B. Lepri, N. Mana, and F. Pianesi. *Multimodal recognition of personality traits in human-computer collaborative tasks*. In Proceedings of ICMI 2012 (GGS rating: A-).
- [48] B. Lepri, J. Staiano, G. Rigato, K. Kalimeri, A. Finnerty, F. Pianesi, N. Sebe, and A. Pentland. *The SocioMetric badges corpus: A multilevel behavioral dataset for social behavior in complex organizations*. In Proceedings of IEEE/ASE SocialCom 2012.
- [49] J. Staiano, B. Lepri, N. Aharony, F. Pianesi, N. Sebe, and A. Pentland. *Friends don't lie – Inferring personality traits from social network structure*. In Proceedings of Ubicomp 2012 (GGS rating: A+).
- [50] M. Guerini, A. Pepe, and B. Lepri. *Do linguistic style and readability affect their virality?* In Proceedings of ICWSM 2012 (GGS rating: A).
- [51] W. Dong, B. Lepri, A. Pentland. *Automatic prediction of small group performance in information sharing tasks*. In Proceedings of the First International Conference on Collective Intelligence 2012.
- [52] W. Dong, B. Lepri, T. Kim, F. Pianesi, A. Pentland. *Modeling conversational dynamics and performance in small group cooperation tasks*. In Proceedings of International Symposium on Communications, Control and Signal Processing. Special Session on Interactive Behavior Analysis 2012.
- [53] W. Dong, B. Lepri, A. Pentland. *Modeling the co-evolution of behaviors and social relationships using mobile phone data*. In Proceedings of MUM 2011.
- [54] L. Batrinca, N. Mana, B. Lepri, F. Pianesi, and N. Sebe. *Please, tell me about yourself: Automatic personality assessment using short self-presentations*. In Proceedings of ICMI 2011 (GGS rating: A-).
- [55] J. Staiano, B. Lepri, R. Subramanian, F. Pianesi, N. Sebe. *Automatic modeling of personality states in small group interactions*. In Proceedings of ACM-MM 2011 – short paper (GGS rating: A++).
- [56] J. Staiano, B. Lepri, K. Kalimeri, F. Pianesi, N. Sebe. *Contextual modeling of personality states' dynamics in face-to-face interactions*. In Proceedings of SocialCom 2011.
- [57] B. Lepri, R. Subramanian, K. Kalimeri, J. Staiano, F. Pianesi, N. Sebe. *Employing social gaze and speaking activity for automatic determination of the Extraversion trait*. In Proceedings of ICMI 2010 (GGS rating: A-).
- [58] B. Lepri, N. Mana, A. Cappelletti, and F. Pianesi. *Automatic prediction of individual performance from thin slices of behavior*. In Proceedings of ACM-MM 2009 – short paper (GGS rating: A++).
- [59] B. Lepri, N. Mana, A. Cappelletti, F. Pianesi, and M. Zancanaro. *Modelling the personality of participants during group interactions*. In Proceedings of UMAP 2009 (GGS rating: B).
- [60] B. Lepri, A. Mani, A. Pentland, and F. Pianesi. *Honest signals in the recognition of functional relational roles in meetings*. In Proceedings of AAAI Spring Symposium on Human Behavior Modelling, 2009.

- [61] F. Pianesi, N. Mana, A. Cappelletti, B. Lepri, and M. Zancanaro. *Multimodal recognition of personality traits in social interactions*. In Proceedings of ICMI 2008 (GGS rating: A-).
- [62] W. Dong, B. Lepri, A. Cappelletti, A. Pentland, F. Pianesi, and M. Zancanaro. *Using the influence model to recognize functional roles in meetings*. In Proceedings of ICMI 2007 (GGS rating: A-).
- [63] M. Zancanaro, B. Lepri, and F. Pianesi. *Automatic detection of functional group roles in face to face interactions*. In Proceedings of ICMI 2006 (GGS rating: A-).
- [64] B. Lepri, C. Rocchi, and M. Zancanaro. *Motivational strategies for an intelligent chess tutoring system*. In Proceedings of INTETAIN 2005.

Workshop Refereed Papers

- [1] E. Beretta, A. Vetrò, B. Lepri, and J.C. De Martin. *Equality of opportunity in ranking: A fair-distributive model*. In Proceedings of the 2nd International Workshop on Algorithmic Bias in Search and Recommendation (BIAS 2021) in conjunction with the 43rd European Conference on Information Retrieval (ECIR 2021).
- [2] A. Bogomolov, B. Lepri, M. Ferron, F. Pianesi, and A. Pentland. *Pervasive stress recognition for sustainable living*. In Proceedings of 3rd International Workshop on the Social Implications of Pervasive Computing for Sustainable Living in conjunction with PERCOM 2014.
- [3] L. Batrinca, B. Lepri, F. Pianesi. *Multimodal recognition of personality during short self-presentations*. In Proceedings of Joint Workshop on Human Gestures and Behavior Understanding in conjunction with ACM-MM 2011.
- [4] K. Kalimeri, B. Lepri, T. Kim, F. Pianesi, and A. Pentland. *Automatic modelling of dominance effects using Granger causality*. In Proceedings of 2nd International Workshop on Human Behavior Understanding (HBU), 2011 in conjunction with AmI 2011.
- [5] B. Lepri, W. Dong, F. Pianesi, and A. Pentland. *Modeling individuals and groups in face-to-face interactions*. In Proceedings of Workshop on Modeling Human Communication Dynamics in conjunction with NIPS 2010.
- [6] G. Zen, B. Lepri, E. Ricci, and O. Lanz. *Space speaks - Towards socially and personality aware Visual surveillance*. In Proceedings of Multimodal Pervasive Video Analysis Workshop - MPVA 2010 in conjunction with ACM-MM 2010.
- [7] K. Kalimeri, B. Lepri, and F. Pianesi. *Causal-modelling of personality traits: Extraversion and Locus of Control*. In Proceedings of 2nd International Workshop on Social Signal Processing in conjunction with ACM-MM 2010.
- [8] C. Nicolini, B. Lepri, S. Teso, and A. Passerini. *From on-going to complete activity recognition exploiting related activities*. In Proceedings of 1st International Workshop on Human Behavior Understanding (HBU) 2010 in conjunction with ICPR 2010.
- [9] B. Lepri, K. Kalimeri, and F. Pianesi. *Honest signals and their contribution to the automatic analysis of personality traits - A comparative study*. In Proceedings of 1st International Workshop on Human Behavior Understanding (HBU) in conjunction with ICPR 2010.
- [10] A. Cappelletti, B. Lepri, N. Mana, F. Pianesi, and M. Zancanaro. *Netcarity multimodal data collection*. In Proceedings of Workshop on Developing Shared Home Behaviour Datasets to Advance HCI and Ubiquitous Computing Research 2009 in conjunction with CHI 2010.
- [11] A. Cappelletti, B. Lepri, N. Mana, F. Pianesi, and M. Zancanaro. *A Multimodal data collection of daily activities in a real instrumented apartment*. In Proceedings of Workshop on Multimodal Corpora 2008 in conjunction with LREC 2008.
- [12] N. Mana, B. Lepri, P. Chippendale, A. Cappelletti, F. Pianesi, P. Svaizer, and M. Zancanaro. *Multimodal corpus of multi-party meetings for social behavior analysis and personality traits detection*. In Proceedings of Workshop on Tagging, Mining and Retrieval of Human-Related Activity Information 2007 in conjunction with ICMI 2007.

[13] M. Zancanaro, B. Lepri, E. Not, and F. Pianesi. *Automatic generation of relational reports for teamwork*. In Proceedings of ASE 2007.

Book Chapters

[1] E. Letouzé, N. Oliver, B. Lepri, and P. Vinck. *AI for SDGs and Beyond? Towards a Human AI Culture for Development and Democracy*. In B. Prud'homme, C. Régis, and G. Farnadi (eds.) Missing Links in AI Governance. UNESCO/Mila – Québec Institute of Artificial Intelligence, 2023.

[2] A.A. Salah, A. Pentland, B. Lepri, E. Letouzé, Y.-A. de Montjoye, X. Dong, O. Dagdelen, and P. Vinck. *Introduction to the Data for Refugees Challenge on Mobility of Syrian Refugees in Turkey*. In A.A. Salah, A. Pentland, B. Lepri, E. Letouzé, Y.-A. de Montjoye, X. Dong, and P. Vinck (eds.). Guide to Mobile Data Analytics in Refugee Scenarios. Springer, 2019.

[3] A.L. Alfeo, M.G.C.A. Cimino, B. Lepri, and G. Vaglini. *Using Call Data and Stigmatic Similarity to Assess the Integration of Syrian Refugees in Turkey*. In A.A. Salah, A. Pentland, B. Lepri, E. Letouzé, Y.-A. de Montjoye, X. Dong, and P. Vinck (eds.). Guide to Mobile Data Analytics in Refugee Scenarios. Springer, 2019.

[4] J. Staiano, G. Zyskind, B. Lepri, N. Oliver, and A. Pentland. *The rise of decentralized personal data markets*. In T. Hardjono, D. Shrier, and A. Pentland (eds.) Trusted data: A new frame work for identity and data sharing. The MIT Press, 2019.

[5] B. Lepri, J. Staiano, D. Sangokoya, E. Letouzé and N. Oliver. *The tyranny of data? The bright and dark sides of data-driven decision making for social good*. In T. Cerquitelli, D. Quercia, and F. Pasquale (eds.) Towards transparent data mining for Big and Small Data, Springer 2017.

[6] A. Finnerty, B. Lepri, and F. Pianesi. *Acquisition of personality*. In M. Tkalcic, B. De Carolis, M. de Gemmis, A. Odic, and A. Kosir (eds.) Emotions and Personality in Personalized Services, Springer 2016.

[7] B. Lepri and F. Pianesi. *Computational approaches for personality prediction*. In A. Vinciarelli, J. Burgoon, N. Magnenat-Thalmann, and M. Pantic (eds.) Social Signal Processing, Cambridge University Press 2016.

[8] F. Pianesi, B. Lepri, N. Mana, A. Cappelletti, and M. Zancanaro. *Extracting information from human behavior*. In M. Maybury (ed.) Multimedia Information Extraction, MIT Press 2012.

[9] B. Lepri, A.A. Salah, F. Pianesi, A. Pentland. *Human behavior understanding for inducing behavioral change: Social and theoretical aspects*. In R. Wichert, K. Van Laerhoven, and J. Gelissen (eds.) Constructing Ambient Intelligence: AmI 2011 Workshops, Springer 2011.

[10] B. Lepri, A.A. Salah, F. Pianesi, A. Pentland. *Human Behavior understanding for inducing behavioral change: Application perspectives..* In Proceedings of Second International Workshop on Human Behavior Understanding (HBU), 2011.

[11] F. Pianesi, M. Zancanaro, A. Cappelletti, B. Lepri, and E. Not. *Automatic relational reporting to support group dynamics*. In A. Waibel and R. Stiefelhagen (eds.) Computers in the Human Interaction Loop. Springer-Verlag, 2008.

[12] B. Lepri. *Multimodalità*. In F. Bianchini, A. Gliozzo, M. Matteuzzi (eds.) Instrumentum Vocale: Intelligenza Artificiale e Linguaggio. Bononia University Press, 2007.

Service

Journal Editorial Boards

Scientific Data: Associate Editor

Frontiers in Blockchain: Associate Editor

Frontiers in Big Data, speciality section on “Data Analytics for Social Impact”: Associate Editor

Conference Area Chair

ACM MultiMedia (ACM-MM): 2019 for Engagement – Emotional and Social Signals Area, 2020 for Engagement – Emotional and Social Signals Area, 2021 for Engagement – Emotional and Social Signals Area, 2022, 2023

Program Committee

ICMI: 2011, 2013, 2014

ACM-MM: 2011, 2014, 2015

WWW: 2016, 2017, 2018

AAAI ICWSM: 2018, 2019, 2020, 2023, 2024

AAAI: 2021, 2022

NeurIps: 2023

WSDM: 2021, 2024

ECAI: 2020 (Senior Program Committee), 2023

IJCAI: 2020 (Senior Program Committee), 2021 (Senior Program Committee), 2023

KDD (Applied Data Science Track): 2019, 2020, 2021

CIKM (Research Track): 2020

WebSci: 2020

SocInfo: 2019 (Senior Program Committee), 2020, 2022

ICDCS – research track on “Social Networks and Crowdsourcing”: 2018

NERCCS: 2018

DSAA: 2018

SIAM International Conference on Data Mining: 2018

ACII: 2015, 2017

ACM ICMR: 2017

UMAP: 2017 (Late Breaking Results and Demo Committee), 2021

ICDM: 2016 (Demo Committee)

UCI: 2015

ACCV: 2012, 2014

IEEE/ASE SocialCom: 2012, 2013, 2014

NetMob: 2017, 2023

IC2S2: 2023, 2024

Social Behavior Analysis Workshop in conjunction with IEEE Face and Gesture Recognition 2011

Workshop on Security and Privacy in Social Networks in conjunction with IEEE Social Computing (SocialCom): 2011, 2012

Workshop on Computational Personality Recognition in conjunction with International AAI Conference on Weblogs and Social Media (ICWSM): 2013

ACM Workshop on Personal Data Meets Distributes Multimedia in conjunction with ACM MultiMedia (ACM-MM): 2013

First International Audio/Visual Mapping Personality Traits Challenge and Workshop in conjunction with International Conference on Multimodal Interaction: 2014

First International Workshop on Telco Data-driven Innovations in conjunction with IEEE International Conference on Data Mining (ICDM): 2014

Workshop on Personal Analytics and Privacy (PAP): 2018

Workshop on Migration and Mobility Research in the Digital Era (MIMODE) in conjunction with Conference on Complex Systems: 2021

Chair

Tutorial on “Deep learning for human mobility” in conjunction with ICWSM 2022. Co-chair with Massimiliano Luca, Gianni Barlacchi, and Luca Pappalardo.

Tutorial on “Deep learning for human mobility” in conjunction with IJCAI 2021. Co-chair with Massimiliano Luca, Gianni Barlacchi, and Luca Pappalardo.

Tutorial on “State of the art and recent trends in Social Signal Processing” in conjunction with CVPR 2016. Co-chair with Vittorio Murino, Marco Cristani, and Alessandro Vinciarelli.

Event Satellite in conjunction with NetSci 2014. Co-chair with Nicola Perra (Northeastern University), Iyad Rahwan (Masdar University), Andrea Baronchelli (Northeastern University), Yaniv Altshuler (MIT), Manuel Cebrian, Vivek K. Singh (MIT)

Second International Workshop in Computational Personality Recognition 2014 in conjunction with ACM-MultiMedia 2014. Co-chair with Fabio Celli, Joan-Isaacs Biel, Giuseppe Riccardi, Daniel Gatica Perez, and Fabio Pianesi (FBK)

Second International Workshop in Human Behavior Understanding (HBU) 2011 in conjunction with International Conference on Ambient Intelligence (AmI) 2011. Co-chair with Albert Ali Salah (Bogaziçi University).

International Workshop on Social Behavior Analysis for Behavioral Change (SBA4Change) 2011 in conjunction with IEEE/ASE Social Computing (SocialCom) 2011. Co-chair with Fabio Pianesi, FBK.

Organizing Committee

Data for Refugees 2018. Organized by Turk Telecom, Tubitak, Bogazici University and in collaboration with Data-Pop Alliance and MIT Media Lab.

Telecom Italia Big Data Challenge 2014.

Guest Editor

EPJ Data Science, special issue on *Making Big Data work: Smart, sustainable, and safe cities*. 2015. Co-edited with Fabrizio Antonelli (TIM), Fabio Pianesi (FBK), and Alex Pentland (MIT).

IEEE Pervasive Computing, special issue on *Understanding and Changing Behavior*. 2013. Co-edited with Albert Ali Salah (Bogaziçi University), Alex Pentland (MIT), and John Canny (UC Berkeley).

Reviewing

Science Advances

PNAS

ACM Transactions on Internet Technology

ACM Transactions on Interactive Intelligent Systems

Pervasive and Mobile Computing

Scientific Data

EPJ Data Science

IEEE Pervasive Computing

IEEE Transactions on Multimedia

IEEE Transactions on Affective Computing

IEEE Transactions on Knowledge and Data Engineering

PLoS ONE

Social Network Analysis and Mining

Proceedings of the ACM on Interactive, Multimedia, Wearable and Ubiquitous Technologies (IMWUT)

Sensors

Machine Learning Journal

NeuroComputing

Behaviour and Information Technology

Journal of Transport Geography

Philosophy and Technology

Cybernetics and Systems

Book Chapter of Computer Analysis of Human Behavior, eds. A.A. Salah and T. Gevers, Springer, Advances in Pattern Recognition

CVPR: 2024

International Conference on Computer Supported Collaborative Work (CSCW): 2019

International Conference on Multimodal Interaction (ICMI): 2007; 2008; 2012, 2017, 2018

Asian Conference on Computer Vision (ACCV): 2010

International Conference on Multimedia (ACM-MM): 2011, 2014, 2015

IEEE Conference on Social Computing (SocialCom): 2011, 2012, 2013

Intelligent User Interfaces (IUI): 2012

Ubicomp: 2014, 2015

International Symposium on Wearable Computing (ISWC): 2017

International Workshop on Social Behavior Analysis for Behavioral Change (SBA4Change) in conjunction with IEEE/ASE Social Computing (SocialCom): 2011

Workshop on Security and Privacy in Social Networks in conjunction with IEEE Social Computing (SocialCom): 2011, 2012

Workshop on Vision(s) on Deception and Non-Cooperation in conjunction with Face and Gesture (FG): 2013

Invited Talks

26-27 October 2023

Invited Keynote at the EduTech Challenges – Conference on the Future of Europe

Title: AI and the Social Dilemma

Rome, Italy

Other speakers: Paolo Benanti (Pontifical Gregorian University), Nicola Gatti (Politecnico di Milano), Stefano Scarpetta (OECD), Ersilia Vaudo (European Space Agency), Francesca Lanzara (LinkedIn), Hrvoje Klapan (Microsoft), Lucilla Sioli (European Commission), Raffaella Sadun (Harvard Business School), Giuseppe Valditara (Minister of Education and Merit), Bassem Asseh (Hugging Face), Dan Hendrycks (Center for AI Safety – xAI Advisor), Benedetto Levi (Iliad), etc.

25 October 2023

Invited talk at the Siena Artificial Intelligence Lab (SAILAB), director Prof. Marco Gori.

Title: Toward a Human-centric and Social AI: Directions and Challenges

Siena, Italy

20 October 2023

Intelligenza Artificiale: dalla ricerca fondamentale all'impatto su aziende e PA"

Talk on the Spoke 2 of the FAIR project on Integrative AI within Maker Faire 2023

Event organized by LAB AIIS-CINI

Rome, Italy

4 July 2023

Invited speaker at the workshop "Dal deep learning al Quantum Computing", organized by Deep Learning Italia and FBK

Title: Understanding human behaviors: A Social AI perspective.

Trento, Italy

30 May 2023

Panel on FAIR transversal projects at Ital-IA, CINI National Lab AIIS

Pisa, Italy

15 May 2023

Panel at Behavioural Transformations 2023

Title of the panel: New Frontiers for AI/LLM in Behavioural Science

Panelists: Giuseppe Alessandro Veltri (University of Trento) and Bruno Lepri

Moderator: Andriy Ivchenko (London School of Economics)

16-17 December 2022

1st Italian Workshop on Computational Social Science

Organizer of the workshop with Ivano Bison (University of Trento) and Giuseppe Alessandro Veltri (University of Trento), and moderator in the round table "The future of research in computational social science".

Speakers: Fosca Giannotti (Scuola Normale Superiore), Mauro Bruno (ISTAT), Ciro Cattuto (ISI), Vilma Scarpino (CEO Doxa), Daniela Fabi (Microsoft Italia), Giuseppina Civardi (Ernst and Young), Roberto Loro (Dedagroup), Nereo Zamaro (Scuola Nazionale dell'Amministrazione), Dino Pedreschi (University of Pisa), Nicola Torelli (University of Trieste), Flaminio Squazzoni (University of Milan), Giulia Andrighetto (CNR).

30 November 2022

BTO – Be Travel Onlife

Panel "Viaggiare in modo sostenibile: Il turista del futuro cerca opzioni innovative e rispettose dell'ambiente".

Moderator: Lorenzo Succi (Director – Uni.Rimini Spa).

Other panelists: Andrea Guizzardi (Director CAST – University of Bologna), Paolo Ruffino (Director Decison Srl), Roberta Frisoni (City of Rimini).

7 September 2022

Invited Keynote at the 26th European Conference on Advances in Databases and Information Systems (ADBIS 2022)

Title: Understanding and rewiring cities and societies: A computational social science perspective

Turin, Italy

7 July 2022

Panelist at PeaceTech Talk, hosted by the Global PeaceTech HUB – European University Institute, School of Translational Governance

Other panelists: Olaf Osica (director of strategy, city of Warsaw), Stefaan Verhulst (co-founder and director of Governance Lab, New York University), and Emmanuel Letouze, (co-founder and director of Data-Pop Alliance)

30 June 2022

Imagination in Action

Exploring the Internet's New Frontier

MIT Media Lab, Cambridge, MA, US

9-10 June 2022

Invited Speaker at the workshop of the S.LI.DES project

Title: The urban dataclism: Understanding and rewiring cities

Rimini, Italy

Other speakers: Manlio De Domenico (University of Padua), Alessandro Pluchino (University of Catania and INFN), Riccardo Gallotti (FBK), Massimiliano Luca (FBK), Armando Bazzani (University of Bologna), Andrea Guizzardi (University of Bologna), Roberta Frisoni (City of Rimini), Jose J. Ramasco (Institute for Cross-Disciplinary Physics and Complex Systems), Michele Tamma (University of Venice), Marco Zaoli (University of Ferrara), Mirko Degli Esposti (University of Bologna).

7 May 2022

Eurocities training on Managing Crisis in European Cities

Florence, Italy

6 May 2022

Lecture on Data Governance mechanisms for PagoPA

States of the Union, Annual Conference organized by European University Institute

9 March 2022

Lecture/Interview on Fintech at Università Carlo Cattaneo – LIUC

2 March 2022

INFINITECH Blockchain Workshop

Talk on Blockchain-based federated learning environment and data marketplace (joint talk with IBM Haifa)

2 October and 6 October 2021

Lectures on “Intelligenza Artificiale e le città del futuro”

Abclive “il piacere di imparare”

21 September 2021

European Blockchain Week (EBCW) 2021

Workshop on Convergence of Blockchain with AI and IoT

Speakers and Panelists: Helen Kopman (Unit Digital Innovation and Blockchain – European Commission), John Soldatos (INTRASOFT R&D Consultant), Soren Jorgensen (research fellow at Stanford University), Tatjana Evas (AI Unit DG CNECT – European Commission), Rolf Riemenschneider (IoT Unit DG CNECT – European Commission), Fabrizio Del Maffeo (CEO Axelera AI), Kostantinos Votis (Senior Researcher, CERTH/ITI)

07 May 2021

The urban dataclism: Understanding and rewiring cities

ANET Lab, Center for Economic and Regional Sciences

Budapest, Hungary

23 April 2021

Invited talk at XI Festa Scienza e Filosofia, Foligno (Itali)

Title: Usare l'Intelligenza Artificiale per progettare le città del futuro

20 April 2021

Lecture on “contact tracing strategies for controlling COVID-19 outbreaks” (“Strategie di tracciamento digitale dei contatti per il controllo di COVID-19”)

Laurea in Assistenza Sanitaria (Laboratorio III: Prof.ssa Maria Pia Fantini).

University of Bologna

18 February 2021

Panel at “Le macchine sognano pecore elettriche: Un’ora nei quartieri del futuro” with Arianna Arienzo (CEO and co-founder of VoiceMed.io) and Amedeo Perna (CEO and co-founder of Let.Life) organized by Volt Torino

7 October 2020

Invited keynote at the International Conference on Social Informatics 2020 (SocInfo 2020)

Title: *Understanding and rewiring organizations, cities and societies: A computational social science perspective*

17 July 2020

Tutorial on Computational Social Science for Impact at the International Conference on Computational Social Science - IC2S2 (Boston, US)

Title: *Data for development*

27 May 2020

Il lavoro del futuro tra AI, digitale e nuove generazioni

Panel with Ivan Fadini, Business Innovation Director, Manpowergroup Italia, and Claudia Cassan, Strategic Clients Director, Talent Solutions, ManpowerGroup Italia

Milan Digital Week

27 January 2020

Panel discussion - *Exploring the role and impact of AI in a policy context: Challenges and opportunities for decision-making* with Steve MacFeely (UNCTAD), Emanuele Baldacci (European Commission), Joanna Bryson (Hertie School of Governance, Berlin)

Applied Machine Learning Days

Lausanne, Switzerland

10 December 2019

Human Wanted: il ruolo della persona nel futuro tra tecnologia AI e Digital Revolution

Manpower workshop

Naples, Italy

16 November 2019

TEDX Trento

Usare l'Intelligenza Artificiale per progettare le città del futuro.

Trento, Italy

5 November 2019

Understanding, designing, and re-wiring cities using AI

MIT Senseable City Lab (Carlo Ratti's lab)

Cambridge, MA, USA

4 November 2019

Il mercato del lavoro tra innovazione e sviluppo delle competenze

Aspen Italia

Milano, Italy

30 October 2019

Understanding, designing, and re-wiring cities using AI

MIT Connection Science + Trust :: Data Members' Workshop October 29-31 2019

Cambridge, MA, USA

3 September 2019

AI for understanding and rewiring cities and societies

Inaugural day of the ELLIS program on Human-centric Machine Learning
San Sebastian, Spain

6 March 2019

Manpower Event on AI and Talent Management

Panel with Tomas Chamorro Premuzic (Manpower Group, UCL and Columbia University), Riccardo Barberis (CEO Manpower Italy), Giampaolo Grossi (General Manager Starbucks Italy Srl), Raffaella Temporiti - Responsabile Risorse Umane Accenture Iceg (Italia, Europa Centrale e Grecia), e Paolo Gallo (Executive coach and author).

13 February 2019

Understanding and rewiring organizations, cities, and societies: A computational social science perspective

Oxford Internet Institute

Oxford, Great Britain

11 December 2018

Ernst and Young

Milano, Italy

6 December 2018

The urban dataclysm: Understanding and rewiring cities

Network Science Institute, Northeastern University

Boston, MA, US

22 November 2018

What social media reveals about ourselves

10th Workshop Computer Science Research Meets Business

Bolzano, Italy

27 October 2018

Beyond the Obvious, Culture Europe Action

Timisoara, Romania

1 October 2018

Brain+

Panel with Adrian Raine (Upenn), Olivia Choy (Nanyang Technological University)

Rome, Italy

27 September 2018

Forum Banca 2018, Milan

Panel with Dylan Ratigan (Former Global Head of Corporate Finance, Bloomberg and Creator of “Fast Money” CNBC) and George Thomson (Country Manager – Italy, Revolut).

8 August 2018

The urban dataclysm: Understanding and rewiring cities using big data

Flybits and Next AI, Toronto, Canada

5 July 2018

First International Summer School on Artificial Intelligence: From Deep Learning to Data Analytics

Other Lecturers: Markus Vincze (TU Wien), Jeremy L. Wyatt (University of Birmingham), Tatiana Tommasi (Italian Institute of Technology), Nello Cristianini (University of Bristol), Barbara Caputo (Italian Institute of Technology)

7 June 2018

The urban dataclysm: Understanding and rewiring cities

ISI Foundation, Torino

26 April 2018

The Future of Work: Fear and loathing of the AI revolution?

Microsoft Center, Bruxelles, Belgium

Other speakers: Georgios Petropoulos (Brugel), Sue Duke, (Director Public Policy LinkedIn), Catelijne Muller (President of the Study Group on Artificial Intelligence, European Economic and Social Committee)

14 April 2018

The data scientist and the smart city

Smart City Week, Trento, Italy

Other speakers: Maurizio Napolitano (FBK), Matteo Colleoni (Università degli Studi di Milano-Bicocca), Dario Petri (UNITN), Ivano Bison (UNITN)

14 April 2018

Big data and politics

Smart City Week, Trento, Italy

Other speakers: Giuseppe A. Veltri (UNiTN), Nicola Cracchi Bianchi (Dedagroup), Francesco Bonadiman (EIT Digital), Chiara Maule (Comune di Trento), and Maurizio Napolitano (FBK)

9-10 April 2018

AI for social good: Understanding and rewiring societies

Invited talk at the Pleasure of Research in AI

Trento, Italy

Other speakers: Prof. Barbara Grosz (Harvard University), Prof. Candy Sidner (Worcester Polytechnic Institute), Ron Brachman (Jacobs Technion-Cornell Institute), Wolfgang Wahlster (DFKI), Martin Golumbic (Haifa University)

6 April 2018

Invited talk at “Big Data and Sustainable Development: Paving the way towards sustainable future”

Tallinn, Estonia

26 March 2018

Understanding and rewiring societies

Invited talk at the 2nd International Workshop on Data analytics solutions for real-life applications, in conjunction with EDBT/ICDT 2018

Vienna, Austria

21 March 2018

Digital Single Market: Strategie per un mercato unico digitale europeo.

Panel on Data Economy with Stefano Bernardi (venture capitalist, expert in cryptocurrencies, former startupper), Lara Kersbamer (CEO of AlmaMobile) and Michele Barbera (CEO of SpazioDati).

30 January 2018

Understanding and rewiring organizations, cities, and societies: A data science perspective

Invited talk at School of Communication and Information, Rutgers University

30 November – 1 December 2017

Panelist at Citizen Security Week, organized by the Inter-American Development Bank and the Government of Colombia
Medellin, Colombia

23 November 2017

Invited talk at Facebook Startup Garage-Station F event

Facebook

Paris, France

14 November 2017

Roundtable on “Social Innovation for a new Welfare”, organized by Digital Italy Summit and Prof. Mario Calderini (School of Management, Polytechnic University of Milan)

Rome, Italy

6-7 November 2017

Asia – EU Dialogue on Digital Economy
Center for Transatlantic Relations
Johns Hopkins University—SAIS
Washington DC, USA

4 October 2017

Understanding and rewiring cities using big data
Invited talk at Nexa Center for Internet and Society (Polytechnic University of Turin)
Turin, Italy

29 September 2017

Nowcasting well-being in societies: At the crossroads of big data, network science, and complex systems, organized by SoBigData Europe (Prof. Dino Pedreschi, University of Pisa, and Fosca Giannotti, CNR)
CNR, Pisa

20 September 2017

Utility Day
Milan, Italy
Round table on big data and utilities

18 September 2017

The Rise of Decentralized Personal Data Markets
Keynote at 1st International Workshop on PAP 2017: Personal Analytics and Privacy, in conjunction with ECML-PKDD 2017
Skopje, Macedonia.

6 September 2017

Battling the algorithmic tyranny: Towards an algorithmic social contract
Data for Policy 2017
London, UK

4 September 2017

Understanding and rewiring cities using big data
Keynote at the 6th International Symposium on “DataMod: From data to models and back”, satellite event of SEFM 2017
Trento, Italy

13 July 2017

Forum Ambrosetti
Milan, Italy
The digital revolution and its effect on business competitiveness
Panel with Giorgio Metta (IIT), Massimiliano Magrini (United Ventures), Massimo Banzi

6 June 2017

Vodafone Innovation Forum
London, UK
Panel on Artificial Intelligence with Cecilia Mascolo (Cambridge University), Daniele Quercia (Cambridge Nokia Bell Labs), David Barber (UCL), Mirco Musolesi (UCL), and Yves-Alexandre de Montjoye (Imperial College)

25 May 2017

Forum PA
Rome, Italy
Working session on Data-driven decisions: using data to understand and govern phenomena

29 March 2017

Faculty of Law, University of Trento
Trento, Italy

Panel on improving and sharing knowledge on the Internet role in the human trafficking process with Giuseppe Sciortino (Department of Sociology, University of Trento), Giuseppe Nesi (Department of Law, University of Trento), Roberto Flor (Department of Law, University of Verona), Giampaolo Musumeci (journalist)

24 March 2017
Department of Psychology and Cognitive Science, University of Trento
Rovereto, Italy
Environment and Health: New Technologies to Old Dilemmas
Scientific Summit Italy-Japan

3 March 2017
Global Festival of the Ideas
Bonn, Germany
Panel on Big Data and shocks with Nuria Oliver (Vodafone), Marte Torskenes (Norad), Sriganesh Lokanathan (LIRNEasia)

17-18 February 2017
World Government Summit 2017
Dubai, UAE
World Bank Workshop on Big Data and Government

24 November 2016
SOCTA Workshop, Europol
The Hague, Netherlands
Workshop on Mapping the Evolution of Serious and Organised Crime

18 November 2016
Civic Tech School
Naples, Italy
Panel on Big Data for Public Good: with Giulio Quaggiotto (Nesta and Advisor at the Prime Minister's Office - UAE) and Leonardo Camiciotti (TOP-IX Consortium)

11-12 November 2016
Institute of Advanced Studies
Koszeg, Hungary
Workshop on Complexity and Big Data

31 October 2016
EPFL
Lausanne, Switzerland
What makes urban areas lively and safe?

06 October 2016
TechInsight
Milano, Italy
Panel on Open Innovation and Technology Transfer: with Ivo Boniolo (Chief Innovation Officer e-novia), Agostino Cavazza (Fondazione Edmund Mach) and Cabirio Cautela (Politecnico di Milano).

28 September 2016
Forum Banca 2016
Milano, Italy
Panel on Big Data: yes or not? The vision of the CIO

16-17 November 2016
Data Transparency Lab Conference 2015 (Organizers: Telefonica, MIT Media Lab, Mozilla Foundation, Open Data Institute)
MIT Media Lab, Cambridge, MA
PRIVA-SEE: Privacy aware visual sensitive evaluator

11 November 2015

Institute for the Interdisciplinary Study of Decision Making, New York University, New York, US
Mobile Territorial Lab and Kavli Human Project: possible synergies

19 October 2015

Smart City Exhibition - La città sensibile: Internet delle Cose
Bologna, Italy
Data-driven Cities

9 July 2015

Big Data for Peace – Summer School
Leiden University, The Hague, Netherlands
Leveraging cell phone data – best practices

19 January 2015

Workshop on Big Data and Official Statistics
Royal Statistical Society, London, UK
Applications of Big Data

30-31 July 2014

The Ecology of Digital Assets: Identity, Trust and Data
MIT Media Lab, Cambridge, MA
How are new analytics and modeling techniques, new behavioral modeling capabilities changing thinking and creating new industries about the Digital Assets and Exchanges? Panel with Yaneer Bar-Yam, Juan Llanos, Dan Harple, Y. Kitamura, James Blom

12 June 2014

Telefonica Workshop on Personal Data for Telcos
Telefonica, Barcelona, Spain
Giving back data to people: user-centric tools for personal data management

4 December 2013

From Smart Cities to Thinking Cities, co-located workshop with AI*IA 2013
Turin, Italy
Mobile Territorial Lab

7-8 October 2013

Joint SOCIAM MIT Media Lab Workshop on Social Machines
MIT Media Lab, Cambridge, MA
Mobile Territorial Lab

30-31 May 2013

Personal, Asunción, Paraguay
A Living Lab for Spending Behaviors

12 July 2012

Telefonica, Barcelona, Spain
Friends Don't Lie – Inferring Personality Traits From Social Network Structures

09 July 2009

Department of Computer Science, Verona, Italy
Multimodal Recognition of Personality in Small Group Interaction

30 March 2007

MIT Media Lab, Cambridge, MA, US
Relational Report: Supporting Group Dynamics

Talks at Conferences

ECML-PKDD 2023, ACM-MM 2017, Data For Policy 2017, IC2C2 2015, IC2S2 2018, ICMI 2014, ACM-MM 2014, Ubicomp 2014, SocialCom 2013, WIN 2013, WIN 2012, Collective Intelligence 2012, SocialCom 2011, ACM-MM 2011, First International Workshop on Modeling Human Communication Dynamics 2010 in conjunction with NIPS, Second International Workshop on Social Signal Processing 2010 in conjunction with ACM-Multimedia (ACM-MM), First International Workshop on Human Behavior Understanding (HBU) 2010 in conjunction with ICPR, ACM-MM 2009, UMAP 2009, AAAI Spring Symposium on Human Behavior Modelling 2009, INTENTAIN 2005.

Teaching

Computational Models for Human Behavior

2020-2021

Master in Data Science

Social Dynamics Lab

2019-2020

Master in Data Science

Joint course with Prof. Ivano Bison and Prof. Giuseppe Alessandro Veltri

Computational Models for Human Behavior

2019-2020

Master in Data Science

Introduction to Computational Social Science.

2016

PhD in Information and Communication Technologies, DISI, University of Trento

Computer-Human Interaction,

2010

Master in Human Language Technologies (HLT), DISI, University of Trento

Teaching Assistant with Dr. Massimo Zancanaro

Computer-Human Interaction,

2009

Master in Human Language Technologies (HLT), DISI, University of Trento

Teaching Assistant with Dr. Massimo Zancanaro

Ph.D. Students

Advisor

Matyas Vincze, Ph.D. in Information and Communication Technology, University of Trento (co-advisor University of Trento: Giovanni Iacca)

Martina Rama, Ph.D. in Information and Communication Technology, University of Trento

Marco Pacini, Ph.D. in Information and Communication Technology, University of Trento

Giovanni De Toni, Ph.D. in Information and Communication Technology, University of Trento/ELLIS (co-advisor University of Trento: Andrea Passerini; co-advisor ELLIS: Manuel Gomez Rodriguez – Max Planck)

Nicolo Alessandro Girardini, Ph.D. in Information and Communication Technology, University of Trento (co-advisor: Annapaola Marconi)

Tabriz Nuruyev, Ph.D. in Industrial Innovation, University of Trento, funded by MindEarth (co-advisor MindEarth: Emanuele Strano; co-advisor University of Trento: Nicu Sebe)

Weijie Wang, Ph.D. in Information and Communication Technology, University of Trento (co-advisor University of Trento: Nicu Sebe)

Sebastiano Bontorin, Ph.D. in Physics, University of Trento (co-advisor University of Padua: Manlio De Domenico)

Massimiliano Luca, Ph.D. in Computer Science, Free University of Bozen. Now a researcher at FBK-MobS

Antonio Longa, Ph.D. in Information and Communication Technology, University of Trento (co-advisor University of Trento: Andrea Passerini). Now assistant professor (RTDA) at the Department of Computer Science, University of Trento

Pierfrancesco Ardino, Ph.D. in Information and Communication Technology, University of Trento (co-advisor: Elisa Ricci). Now post-doc at STIIMA-CNR, Bari

Yahui Lui, Ph.D. in Information and Communication Technology, University of Trento (co-advisor University of Trento: Nicu Sebe). Now applied AI scientist at Huawei

Lorenzo Lucchini, Ph.D. in Information and Communication Technology, University of Trento (co-advisor: Sara Tonelli). Now a post-doc fellow at Bocconi University (Alessia Melegaro's research group) and consultant at the World Bank. Previous position: junior researcher at FBK MobS.

Lorenzo Candeago, Ph.D. in Information and Communication Technology, University of Trento (co-advisors: Silvio Ranise and Dr. Michele Vescovi - Telecom Italia). Funded with Telecom Italia grant. Now a data scientist at Wurth. Previous position: consultant at the World Bank.

Paolo Bosetti, Ph.D. in Mathematics, University of Trento (co-advisors: Andrea Pugliese - University of Trento and Stefano Merler). Now: post-doc at Institut Pasteur (Mathematical Modelling of Infectious Diseases Unit, led by Simon Cauchemez).

Marco De Nadai, Ph.D. in Information and Communication Technology, University of Trento (co-advisor University of Trento: Nicu Sebe). Previous: researcher at FBK MobS. Now an AI research scientist at Spotify. Previously, applied scientist at Zalando.

Simone Centellegher, Ph.D. in Information and Communication Technology, University of Trento. Now a researcher at FBK MobS.

Didem Gundogdu, Ph.D. in Information and Communication Technology, University of Trento. Now: R&D Technical Manager at Sovos, Istanbul, Turkey. Previous position: senior data scientist at Kantar, Milan, Italy.

Gianni Barlacchi, Ph.D. in Information and Communication Technology, University of Trento (co-advisors: Alessandro Moschitti - University of Trento and Silvana Bernaola - Telecom Italia). Funded with Telecom Italia grant. Now: applied research scientist at Amazon (Alexa team), Berlin, Germany.

Co-advisor

Andrea Rigo, Ph.D. in Industrial Innovation, University of Trento, funded by Toretei (co-advisor Toretei: Luca Stornaiuolo; co-advisor University of Trento: Nicu Sebe)

Steve Azzolin, Ph.D. in Information and Communication Technology, University of Trento/ELLIS (advisor University of Trento: Andrea Passerini; co-advisor ELLIS: Pietro Liò – University of Cambridge)

Nicolo Penzo, Ph.D. in Information and Communication Technology, University of Trento/ELLIS (advisor: Sara Tonelli; co-advisor ELLIS: Goran Glavas – University of Wurzburg)

Aditya Gulati, Ph.D. in Computer Science, University of Alicante (advisor: Nuria Oliver – Ellis Foundation Alicante)

Elena Beretta, Ph.D. in Control and Computer Engineering, Polytechnic University of Turin (advisor: Juan Carlos de Martin - Polytechnic of Turin). Now a postdoc at Vrije Universiteit Amsterdam.

Andrea Bonassi, Ph.D. in Psychological and Educational Sciences, University of Trento (advisor - University of Trento: Gianluca Esposito)

Andrea Beretta, Ph.D. in Psychological and Educational Sciences, University of Trento (advisor: Prof. Massimo Zancanaro). Now post-doc at KDD Lab, CNR Pisa.

Ilaria Cataldo, Ph.D. in Psychological and Educational Sciences, University of Trento (advisor: Prof. Gianluca Esposito). Now a junior researcher at the Department of Psychology and Cognitive Science, University of Trento.

Dhaval Adjodah, Ph.D. in Media Arts and Sciences, MIT (advisor: Prof. Alex Pentland). Now a fellow at Schmidt Futures. Before a junior researcher at MIT.

Post-doc Students and Researchers

Gabriele Santin. Now senior assistant professor (RTDB) at the Department of Environmental Sciences, Computer Science, and Statistics, University of Venice

Giulia Cencetti. Now Marie Curie Postdoctoral Fellowship at the Centre de Physique Théorique, CNRS

Christos Perentis. Now Consultant at TeamDev S.r.l.

Fabio Celli. Now senior data scientist at Gruppo Maggioli

Jacopo Staiano. Now senior assistant professor (RTDB) at the Department of Economics and Management, University of Trento. Previously, research lead at ReciTAL

Spoken Languages

Italian: native language

English: high proficiency (written and oral). I lived in US for more than 3 years and I daily use English as working language

German: basic

Organizational Skills

Strong problem solving skills and great experience in identifying and planning priorities. Strong ability in dealing with stressful situations and respecting deadlines (project deadlines, paper deadlines, etc.).

Social Skills

I am a sociable person and I have strong leadership skills and proneness to teamwork. Great sense of duty in carrying out my job and responsibilities. Strong interest in developing new skills and learning new things (curiosity was my main driver in research).

"Acconsento alla pubblicazione del mio CV in ottemperanza alle disposizioni di legge dettate in materia di trasparenza (D.Lgs. 33/2013)."