Speakers

(The order follows the programme of the workshop)

Clara CHARTNER – DESTATIS, Germany

Clara Schartner is a research associate at the German Federal Statistical Office (Destatis) in the department for Research and Innovation. More specifically she works on satellite data in the group for new digital data, a team which is researching how to make use of new digital data sources for official statistics. Her focus lies on how remote sensed data can be integrated into the production of official statistics. She holds a M.Sc. in applied statistics from the University of Göttingen.

Markus ZWICK – DESTATIS, Germany

Markus Zwick is Head of Section at the Institute for Research and Development in Official Statistics and responsible for research cooperation and strategies. From 2012 until 2016, he was responsible for the Project 'European Master in Official Statistics' as a Seconded National Expert at Eurostat. Before that, he developed and led the Research Data Centre of Destatis for 10 years. Furthermore, he is an Honorary Professor of Statistics at the Goethe University Frankfurt.

Inna NOVALIJA – Institute "Jozef Stefan", Slovenia

Inna Novalija is a postdoctoral researcher at the Artificial Intelligence Laboratory in the Jožef Stefan Institute (Ljubljana, Slovenia). She is working on applying media analysis techniques for nowcasting and forecasting, data mining and learning analytics in data science domain. Inna Novalija holds a PhD in Computer Science from the Jožef Stefan International Postgraduate School (Ljubljana, Slovenia) on the topic of "Ontology extension using text mining for news analysis" and a Master of Arts in Economics from the Central European University (Budapest, Hungary).

Marko GROBELNIK – Institute "Jozef Stefan", Slovenia

Marko Grobelnik is a researcher in the field of Artificial Intelligence (AI). His focused areas of expertise are Machine Learning, Data/Text/Web Mining, Network Analysis, Semantic Technologies, Deep Text Understanding, and Data Visualization. Marko co-leads the Artificial Intelligence Lab at the Jozef Stefan Institute and is the CEO of Quintelligence.com, which is specialized in solving complex AI problems for the commercial world. He collaborates with major European academic institutions and major industries such as Bloomberg, British Telecom, European Commission, Microsoft Research, and the New York Times. Marko is the co-author of several books, co-founder of several start-ups and has been involved into over 50 EU funded research projects in various fields of Artificial Intelligence. Marko is also the Digital Champion of Slovenia at European Commission and a member of the OECD AI Expert Group.

Baldur KUBO – CYBERNETICA, Estonian Centre of Applied Research

Baldur has over 25 years of experience in helping organisations improve themselves through analytics. He has designed and implemented over fifty processes that cover multiple organizations and provide information for management. This experience helps him to understand human, organizational, technological and legal aspects of information sharing over borders.
In Cybernetica, Baldur is working with public and private sector organizations to secure valuable confidential data while it is being used for analysis. He supports managers in understanding the risks and selecting the right technical data protection and privacy-enhancement technologies.

Enno BORCHERS – DETECON INTERNATIONAL GMBH, Germany

Enno studied electronic engineering at the Institute for Theoretical Electrical Engineering at Leibniz University Hanover before beginning his professional career in the R&D division of a supplier for telecommunications networks. After further positions in product management and sales with technology providers and network operators, Enno concentrates currently on data aggregation by the Internet of Things, data processing with AI methodology / machine learning, data accessibility by data market places as well as IoT predecessor technology, M2M (machine-to-machine) communication, topics that have occupied him for more than the last 10 years.

Today Enno is in a Partner position at the strategy and technology consulting company Detecon International, a subsidiary of T-Systems, Deutsche Telekom AG, where he is head of the technical consulting business for IoT.

Anastasios DELOPOULOS – Aristotle University of Thessaloniki, Greece

Prof. Anastasios Delopoulos is a Professor of Multimedia Systems in the Electrical and Computer Engineering Department of the Aristotle University of Thessaloniki. The research interests of him and his group (The Multimedia Understanding Group) lie in the areas of multimedia data understanding, learning and computer vision. He is an author of more than 100 journal and conference scientific papers. He has participated in dozens of European and National R&D projects related to the application of signal, image, video and information processing in entertainment, culture, education and health sectors. He is a member of the Technical Chamber of Greece and of IEEE (an association dedicated to advancing innovation and technological excellence for the benefit of humanity).

Christos DIOU – Aristotle University of Thessaloniki, Greece

Christos Diou received his PhD on the semantic analysis of multimedia with machine learning in 2010. His research interests include signal processing and machine learning with weakly supervised data with applications in the analysis of behavioural data, concept-based retrieval of multimedia, as well as analytics and decision support for health and energy efficiency applications. He has worked as a researcher for international projects as well as for research projects in the Aristotle University of Thessaloniki. He has published over 40 papers in international scientific journals and conferences and has served as a reviewer for journals and conferences in the area of machine learning, multimedia analysis and retrieval systems. He is a member of the Technical Chamber of Greece and of IEEE (an association dedicated to advancing innovation and technological excellence for the benefit of humanity).

Joeri MINNEN – Vrije University of Brussels, Belgium

Joeri Minnen is a senior researcher at the Research Group TOR (Tempus Omnia Revelat – Time reveals everything) of the Vrije Universiteit Brussel (VUB, Belgium). He studies daily human behaviour with a focus on the methodology of time-diary studies. In doing so, he developed the MOTUS-software platform. Through the MOTUS-app (both web and mobile) respondents register their time and answer context questions, which vary according the registered activity. Since MOTUS is able to program surveys, diaries and communications (small, medium, large scale), fieldwork can be programmed and automatically be executed. Multiple studies can take place at the same time. Recently MOTUS also included passive registration, where information from other sources is included in the time expenditure of respondents. The input can also be used to trigger extra questions (eg. based on geofencing questions on why to visit a certain place can be triggered).

This knowledge is recently being transferred to a Spin-Off of the Research Group TOR called 'hbits'. An overview of the research projects (both of TOR and hbits) can be found on the webpage: www.hbits.io. Joeri Minnen is managing director.

In addition to the above, Joeri Minnen is treasurer of IATUR vzw (International Association for Time-Use Research) and expert in the working group on harmonised time-use research (HETUS) of EUROSTAT.

Samuel STEHLE – Maynooth University, Ireland

Sam is a postdoctoral researcher at Maynooth University on the Building City Dashboards project. The Building City Dashboards project, supported by Science Foundation Ireland, works with local authorities to facilitate and propagate open data and analysis, while researching best practices in data governance and multimodal representations of urban data. Sam received his PhD from Penn State University in 2017 in Geography, where he studied machine learning, spatio-temporal representation, and geovisualisation. On the Building City Dashboard project, Sam works with real-time smart city data. He researches visual representation, spatio-temporal data quality, and modelling, with the goal of real-time prediction and effective data provision.

Rob KITCHIN - Maynooth University, Ireland

Rob Kitchin is a professor in the Maynooth University Social Sciences Institute, formerly the National Institute for Regional and Spatial Analysis (NIRSA), for which he was director between 2002 and 2013. He is principal investigator on the Programmable City project (funded by the European Research Council 2013-2018) and the Building City Dashboards project (funded by Science Foundation Ireland 2016-2020). As part of the latter, he is investigating the applicability of smart city data for new statistical measures. He has published widely across the social sciences, including 26 authored/edited books, and 200 journal articles and book chapters, and is managing editor of the international journal, Dialogues in Human Geography.

Sonia QUARESMA – INE, Portugal

Sonia Quaresma is currently working as a Senior Specialist Statistician on the NSI's data warehouse department.
With a background in computer science engineering, a specialization in artificial intelligence and a masters in information systems she is the national coordinator on Big Data and on Data Validation.
Apart from research, she is coordinating the monthly statistical production on Employment (Social Statistics) and International Trade (Business Statistics).

Bernard GINDROZ – European Standardization Organizations (CEN, CENELEC and ETSI)

Bernard is a independent consultant with expertise on Standardization, Institutional Affairs, Innovation Projects, Strategy Management
In the fields of Energy, Environment, Mobility, Sustainable Development, Smart Cities, Adaptation to Climate Change.

Chairman of CEN/CENELEC Sector Forum Energy Management-Energy Transition
Chairman of CEN/CENELEC JTC6 "Hydrogen in Energy Systems"
Chairman of CEN/CENELEC/ETSI Sector Forum on Smart and Sustainable Cities and Communities
Chairman of ISO TC 268 "Sustainable Development of Cities and Communities"

Activities in Energy Transition, Energy Storage, Safety and Security, Alternative fuels, Adaptation to Climate Change, e-mobility, citizens' engagement for smart, resilient and sustainable cities.

Standardization activities in Terms and Definitions, management systems, KPIs for comparisons and statistics benchmarking and bench learning, blockchain and Artificial Intelligence, Behavior Change, Eco-Design.

Jens MUEHLNER – T-SYSTEMS, Germany

Jens Muehlner is the Executive Consultant Innovation & Technology Management at T-Systems International GmbH, the large business customer segment of Deutsche Telekom AG. He has held various operational management positions in T-Systems since joining in 2002. Since 2007, he has been responsible for operations and projects of Working Group "Digital Infrastructures", "Networked Applications and Platforms for the Digital Society" and "Intelligent Networking" with more than 500 participants from more than 250 companies and institutions. In the German digital association BITKOM Jens Mühlner is chairman of the working group "Smart City / Smart Region". Jens Mühlner is a member of the advisory board of the initiative "sustainable.digital" of the B.A.U.M. e.V. and the German Federal Environmental Foundation. That also includes his membership of the Digitization Advisory Council of the Senator for Children and Education of the Free Hanseatic City of Bremen, the Ethics and Technology Advisory Board of the City of Darmstadt, the program advisory board of the Berlin Congress Fair for Digitization in the Public Sector, Administration, Energy Supply, Education, Health and Housing, Smart Country Convention and the congress Urban Sport & Health in Berlin.

Guenther BACHMANN – Science City Darmstadt, Germany

Since 1998, Guenther has been Head of the Bureau of Statistics and Urban Research in the City of Science Darmstadt. Demographic and mobility studies, social space analysis and concepts of sustainable neighbourhood development in a knowledge-based city. Small-scale analysis of the social and demographic urban development of a „Schwarmstadt"; mobility analysis, social space-oriented reporting and analysis; small-scale oriented education monitoring; big data analysis on urban development, mobility and environmental monitoring.
Since 2004, he has been a member of the German Steering Group of the Urban Audit Project of the European Commission / EUROSTAT

Valeriya ANGELOVA – EUROSTAT

Valeriya ANGELOVA started her career at the National Statistical Institute of Bulgaria in 2005. She was a GIS expert involved in the Population and Housing Census and responsible for the city data collection project. She led a small team that developed the methodology for Small Area Estimations for the purposes of the city data collection. She joined Eurostat in 2014 as a national expert to contribute to the city and regional statistics at European scale and is involved mainly in the methodology improvement, user support and communication activities regarding sub-national data for better territorial policies.

Andrew MCHUGH – University of GLASGOW, The United Kingdom

The Urban Big Data Centre (UBDC) based at the University of Glasgow and funded by the Economic and Social Research Council exists to promote innovative research methods and the use of big data to improve social, economic, and environmental well-being in cities [1]. In support of this, UBDC operates a research-led data service, accessible to academic, policy and business user communities. The Centre provides essential data infrastructure (including data collections for research use and derived data products) and knowledge derived from these unique data sources, in support of several priority areas, including transport, education, automation of work, smart statistics, the UK Industrial Strategy, and smart cities. UBDC is unique in combining social sciences research with data analytics and computing science. The Centre's programme of research and knowledge exchange across multiple disciplines informs and benefits from the data service. The Centre's aim is to deliver innovative urban analyses using novel data that have substantial and demonstrable impacts on public policy, to evaluate critically the value and role of big data and urban analytics for understanding cities and influencing planning and policy-making and to enhance quality of urban big data and methods for undertaking urban analysis. Key research themes include transport and infrastructure; neighbourhood, housing and environment; educational attainment, skills and productivity; and big data and urban governance.

[1] The Urban Big Data Centre at the University of Glasgow is supported by the Economic and Social Research Council (grant number ES/L011921/1) – http://www.ubdc.ac.uk

Pilleriine KAMENJUK – University of Tartu, Estonia

Pilleriine Kamenjuk, Junior Research Fellow in Human Geography (Mobility Lab, University of Tartu) is a PhD student at the University of Tartu. Her main topic of research is human spatial mobility with a focus on migration and daily activities using mobile positioning data. She is currently involved in the project Infotechnological Mobility Observatory that aims to build a data infrastructure to exploit different data sources to better understand social processes and related spatial mobility.

Anto AASA – University of Tartu, Estonia

Anto Aasa, Research Fellow in Human Geography (Mobility Lab, University of Tartu), defended his doctoral dissertation in 2005 and has been working at the University of Tartu since then. He has participated in various research projects focusing on different aspects of the population distribution and spatio-temporal mobility (population geography, tourism, transportation, commuting, migration etc). Mobility Lab is one of the world's leading innovators in the development of new methods to analyse human mobility. Anto Aasa has paid special attention to the development and application of mobile data collection methods in which data is gathered via mobile positioning and/or GPS, and has been actively involved in analysing and visualising such data. He is a co-author of many thematic scientific publications.

Norbert BRÄNDLE – AIT Austrian Institute of Technology GmbH, Austria

Norbert Brändle graduated in Computer Sciences and received his PhD from the Vienna University of Technology, Austria in 2002. He worked as a researcher at the Novartis Research Institute Vienna and assistant professor at the Vienna University of Technology at the Pattern Recognition and Image Processing Group. Norbert was a key person to shape the path of AITs unit "Dynamic Transportation Systems", both in terms of research topics and staffing. He was a lecturer for multimedia information systems at the University of Applied Sciences Technikum Wien. As a senior scientist at AIT for the field of mobility data collection and analysis he leads and coordinates mobility-related research project acquisitions, their implementation and the international publication of their results.

Fabio RICCIATO - EUROSTAT

Fabio Ricciato received a Laurea in Electrical Engineering (1999) and PhD in Information and Communication Technologies (2003) from University La Sapienza, Italy. In 2004, he joined the Telecommunications Research Center Vienna (FTW), Austria, first as Senior Researcher and then as Key Researcher. Between 2007-2013, he served as Assistant Professor at the University of Salento, Italy, teaching the courses of "Telecommunication Systems" and "Fundamentals of Communications". Later, he served as Head of Business Unit "Dynamic Transportation Systems" at the Austrian Institute of Technology (AIT), Vienna. Between 2015-2017, he held a professorship at the Faculty of Computer Science, University of Ljubljana, Slovenia. In January 2018, Fabio joined the European Commission as member of the EUROSTAT Task Force on Big Data. His current interests revolve around the modernisation of official statistics, privacy-preserving approaches to cross-domain data analytics and analysis of mobile network data for official statistics.