Intelligent Transport Systems: a Tool or a Toy?

22-23 November 2016
Holiday Inn Žilina
Športová 2
010 01 Žilina
Slovakia

Local partners:

Media partners:

#ITStoolortoy
Foreword

European Cooperation in Science and Technology - COST

Over the past 30 years, COST has been helping researchers coordinate national initiatives leading up to today’s Intelligent Transport Systems (ITS) concept. COST networks – also known as Actions – have been proposing solutions for transport issues affecting European citizens’ lives, especially in urban areas: air quality, congestion, safety, accessibility, equity, inter-modality and journey time.

For instance, transport operators and experts are now able to analyse harmonised EU data thanks to the COST Action “SHANTI” methodology, meant to measure urban mobility.

Travellers are also receiving more reliable information and experiencing safer journeys thanks to the work of TU1004 and TU1305, the latter using big data to improve transit predictive models. Similarly, app users may soon take advantage of European tracking and tracing technology, as Action SaPPART is advancing work on a standard use of Global Navigation Satellite Systems for personal mobility applications (EGNOS and Galileo).

Understanding, analysing and developing ITS is a complex matter, requiring a wide range of expertise. We noticed that COST Actions in ITS tend to grow more interdisciplinary, as they engage experts from different backgrounds: urban planners, architects, transportation engineers, sociologists and economists. This way, COST networks sum up the interdisciplinary nature of ITS.

By co-organising the conference, COST and the invited Actions aim to share their experience and expertise with the wider ITS community, and certainly stimulate future collaborations.

Dr Mickael Pero
Science Officer
COST Association

University of Žilina

The University of Žilina has a long tradition in transport and information and communication technologies research – two main technological pillars of Intelligent Transport Systems.

In 2014, the University was awarded an ERA Chair grant for ITS, meant to unlock the university’s research potential and strengthen Žilina region’s position in the field, while boosting ITS solutions Europe-wide.

We are very proud that the event is held under the auspices of the Slovak Presidency of the Council of the European Union. This transdisciplinary conference – organised alongside COST and ERTICO – is the perfect opportunity to set up a unique platform for leading European research institutions, companies, and government agencies to exchange ideas. This will help build stronger connections between European researchers and all other stakeholders.

We are confident that the debate will identify all the necessary tools to improve decision makers’ understanding of ITS uses, in order to meet transport policy goals at all levels.

Dr Karl Ernst Ambrosch
ERA Chair holder
University of Žilina
Organisers

European Cooperation in Science and Technology - COST

European Cooperation in Science and Technology - COST is a pan-European intergovernmental framework. Its mission is to enable breakthrough scientific and technological developments leading to new concepts and products and thereby contribute to strengthening Europe’s research and innovation capacities.

It allows researchers, engineers and scholars to jointly develop their own ideas and take new initiatives across all fields of science and technology, while promoting multi- and interdisciplinary approaches. COST aims at fostering a better integration of less research-intensive countries to the knowledge hubs of the European Research Area. The COST Association, an International not-for profit Association under Belgian Law, integrates all management, governing and administrative functions necessary for the operation of the framework. The COST Association has currently 36 Member Countries.

www.cost.eu
www.cost.eu/events/itstooltoy

University of Žilina

The history of the University of Žilina began on 1 September 1953 when the University of Railway Transport was founded by separating from the Czech Technical University in Prague. It gradually became an important pillar of education in the fields of transport, which resulted in the change of the name to the University of Transport. It was moved to Žilina in 1960 where it underwent many transformations, and in 1980 it was renamed again to the University of Transport and Communications. Later in 1996, after broadening its fields of interest and other organisational changes, it was renamed the University of Žilina.

At present there are about 9,000 students being educated at seven faculties in 231 accredited fields of study in all forms and degrees of university studies at the University. In its over 60 years of successful existence it has become the alma mater for more than 70,000 graduates, highly skilled professionals specialising mostly in transport and technical fields as well as in management, marketing or humanities.

In 2014, the University of Žilina was awarded with an ERA Chair project in order to unlock and strengthen the research potential and promote the University’s excellence as well as its region in the field of Intelligent Transport Systems.

The ERAadiate project is supported by the European Commission under FP7 Grant Agreement 621386 (http://cordis.europa.eu/project/rcn/185731_en.html).

www.uniza.sk
www.erahair.uniza.sk

ERTICO - ITS Europe

ERTICO - ITS Europe is a multi-sector, public/private partnership pursuing the development and deployment of Intelligent Transport Systems and Services (ITS). It connects public authorities, industry players, infrastructure operators, users, national ITS associations and other organisations together and work to bring “Intelligence into Mobility”.

The ERTICO work programme focuses on initiatives to improve transport safety, security and network efficiency whilst taking into account measures to reduce environmental impact. Its vision is of a future transport system working towards zero accidents, zero delays and fully informed people, where services are affordable and seamless, the environment is protected, privacy is respected and security is provided.

www.ertico.com
Programme

Note: Live demonstrations of ITS innovations from UNIZA will be showcased during the conference.

21 November 2016

20:00 Welcome drink at the Holiday Inn Žilina hotel

22 November 2016

9:00 Welcome

Moderator
Ángeles Rodríguez-Peña President, COST Association
Tatiana Čorejová Rector, University of Žilina
Viktor Stromček State Secretary, Ministry of Transport, Construction and Regional Development of the Slovak Republic
Juraj Wagner Expert for Science and Research, Ministry of Education, Science, Research and Sport of the Slovak Republic
Igor Liška Head of the Municipal Office of Žilina
Ivan Mokrý Director, Department of Transport and Ground Planning, Žilina Self-Governing Region

9:45 Press Conference

9:45 Opening Plenary Session & Panel Discussion

Moderator
Milan Dado ERA Chair Project Coordinator
COST CNC & CSO/EB member
Gerhard Menzel Policy Officer, DG MOVE, European Commission
Antoine de Kort Strategic adviser Traffic Management, Rijkswaterstaat
David Sutton Chief Officer, Integrated Transport Strategy Directorate, Transport Malta
Rasmus Lindholm Director of communication and partnership, ERTICO
Suzanne Hoadley Senior Manager, POLIS
Roman Srp President of ITS&S Czech and Slovak Republic, President of ITS Nationals

11:30 Coffee break

11:50 Viewpoints on ITS – Plenary Session & Panel Discussion

Moderator
Robert Stüssi Mobility Mindset | More mobility less cars | SMART thinking of the urban factory
Cristina Pronello Full Professor at Sorbonne Universités, France; President of the Mobility Agency of the Piemonte Region, Italy
Ben Rutten Program manager for the Strategic Area Smart Mobility at Eindhoven University of Technology
Jorge Alfonso Kurano ITS expert, Polytechnic University Madrid, ECTRI
Miroslav Antol Head of IoT, Slovak Telekom

13:00 Lunch
14:00 Parallel Sessions & Panel Discussions

**Autonomous Driving**

- Where do we need more research?
- How to create innovation dynamics?
- Changes in the industry landscape (product and systems)

**Moderator**

Carlos Holguin Ortiz  
Project Manager Connectivity and Automation, ERTICO

Lex Eggink  
Chair, CEN TC278

François Peyret  
Chair, COST Action TU1302 “Satellite Positioning Performance Assessment for Road Transport (SaPPART)”

Ivana Dusparic  
COST Action TU1102 on “Towards Autonomic Road Transport Support Systems”

Roman Hauptvogel  
GlobalLogic Slovakia

**MaaS**

**Policy Aspects**

- New legal Framework and Liability?
- What are expected benefits for user and local authorities?

**Moderator**

Giuseppe Lugano  
Senior Researcher, ERA Chair project on ITS, University of Žilina

Charlene Rohr  
Senior Researcher at RAND Europe

Federico Costantini  
Researcher at the University of Udine, Italy

Floridea Di Ciommo  
Chair, COST Action TU1209 on “Transport Equity Analysis: assessment and integration of equity criteria in transportation planning (TEA)”

Robert Stüssi  
Mobility Mindset | More mobility less cars | SMART thinking of the urban factory

14:30 Coffee break

16:00 Parallel Sessions & Panel Discussions

**Autonomous Driving**

**Policy Aspects**

- New legal Framework and Liability?
- What are expected benefits for user and local authorities?

**Moderator**

Johannes Liebermann  
Innovation & E-Mobility  
AustriaTech, Vienna

Biagio Ciuffo  
Scientific Officer at the European Commission - Joint Research Centre

Imre Lendak  
MC Member for Serbia, COST Action IC1203 “European Network Exploring Research into Geospatial Information Crowdsourcing: software and methodologies for harnessing geographic information from the crowd (ENERGIC)”

Nikolas Thomopoulos  
Senior Lecturer in Transport and Business Logistics, Greenwich University

Gert Blom  
Strategic Advisor Mobility - City of Helmond

**MaaS**

**Research and Innovation**

- Where do we need more research?
- How to create innovation dynamics?
- Changes in the industry landscape (product and systems)

**Moderator**

Cristina Pronello  
Full Professor at Sorbonne Universités, France; President of the Mobility Agency of the Piemonte Region, Italy

Jan Celko  
Vice-Rector, University of Žilina  
FEHRL Director

Sasa Bart  
Managing Director of Savjetura consulting firm, Zagreb

Andrew Nash  
MC member, COST Action TU1305 “Social networks and travel behaviour”

Rasmus Lindholm  
Director of communication and partnership, ERTICO

17:30 End of sessions

18:30 Networking dinner with traditional Slovak music at the Holiday Inn Žilina hotel
23 November 2016

9:00  Role of Cities in ITS Deployment – Plenary Session & Panel Discussion

Moderator
Karl Ernst Ambrosch  ERA Chair Holder, University of Zilina
Rainer Haselberger  Urban ITS expert for the City of Vienna
Gert Blom  Strategic Advisor Mobility - City of Helmond
Branislav Zacharides  Director of the Development Agency of the Žilina Self-Governing Region
András Neiner  City of Paks, Hungary
Łukasz Franek  Vice-Director for Transport, Krakow, Poland

11:00  Coffee break

11:30  Lessons Learned and Next Steps – Working Groups Session

Synergies between Policy, Research and Innovation

WG1 – Autonomous Driving  WG2 – MaaS

Moderator  Moderator
Biagio Cluffo  Rasmus Lindholm
Scientific Officer at the European  Director of communication and partnership, ERTICO
Commission - Joint Research Centre

Rapporteur  Rapporteur
François Peyret  Floridea Di Ciommo
Chair, COST Action TU1302 “Satellite Positioning Performance Assessment for Road Transport (SaPPART)”  Chair, COST Action TU1209 on “Transport Equity Analysis: assessment and integration of equity criteria in transportation planning (TEA)"

13:00  Lunch

14:00  Poster Session

Moderator
Peter Brida  Vice-Dean for Development and International Co-operation of the Faculty of Electrical Engineering, University of Žilina

15:00  Wrap-Up Plenary Session & Panel Discussion

Moderator
Tatiana Kováciková  ERA Chair project - Senior Researcher

Rapporteur WG1
François Peyret  Chair, COST Action TU1302 “Satellite Positioning Performance Assessment for Road Transport (SaPPART)”

Rapporteur WG2
Floridea Di Ciommo  Chair, COST Action TU1209 on “Transport Equity Analysis: assessment and integration of equity criteria in transportation planning (TEA)"

16:00  Poster Award

16:15  Keynote
Juraj Vaculík  CEO and Co-Founder, AeroMobil, s.r.o. / AeroMobil R&D, s.r.o., Slovakia

16:45  Closing Note
Milan Dado  ERA Chair Project Coordinator; COST CNC&CSO/EB member

17:00  End of the conference

Note: On 24 November the COST - H2020 Info Day will take place.
Speakers, Moderators and Rapporteurs

In order of appearance in the programme.

Ángeles Rodríguez-Peña
President, COST Association
president@cost.eu

After obtaining a PhD in Biology in Madrid, Dr Ángeles Rodríguez Peña began her career in science, obtaining a postdoctoral fellowship from the European Molecular Biology Organisation to join what is now Cancer Research UK in London, where she spent five years as an Associate Scientist. Later returning to Spain, she established her own research group at the Spanish National Research Council (CSIC), at the same time working as a visiting scientist in the US and Sweden. In recognition of her expertise, from 2002-2004 she was a seconded national expert at DG Research, European Commission. From 2002, Peña served as Deputy Head of International Affairs at CSIC, which involved work in international relations and European policy - including the Framework Programme. Five years later, she was made Deputy Director General for European Programmes at the former Spanish Ministry of Science and Innovation, as well as Spanish representative of the COST Committee of Senior Officials (CSO).

Dr Peña has been heading the COST Committee of Senior Officials since 22 June 2010. In addition to her work at COST, Peña is also Senior Scientist at CSIC, Special Advisor to the Secretary of State for Research and Innovation in Spain, and an elected member of the Academia Europaea.

Tatiana Čorejová
Rector, University of Žilina
rektor@uniza.sk

Tatiana Čorejová, dr.h.c. Prof. Ing. PhD is the rector of the University of Žilina. She got the PhD degree in economics and management of networks from the University of Transport and Communications in Žilina. She was appointed as the Full Professor in 1998. During her professional career, she had several managerial positions at the Faculty of Operation and Economics of Transport and Communications of the University of Žilina: from 1993 to 1996, she was the Vice-dean for education, from 1996 to 1999 the Vice-dean for research and from 2002 to 2010, she hold the position of the Dean of the Faculty. From July 2, 2010, Tatiana Čorejová, dr.h.c. Prof. Ing. PhD, holds the position of the rector of the University of Žilina. Her main professional areas include information and communication services, economics and management of networks, transfer and diffusion of knowledge and technology and regional development.

Viktor Stromček
State Secretary, Ministry of Transport, Construction and Regional Development of the Slovak Republic
www.telecom.gov.sk

Viktor Stromček graduated from the University of Economics in Bratislava in 2000. He was Assistant to MP Peter Weiss from 2001 to 2002 and later he was Executive Director at the Medical Institute Čilištovec until 2006, when he became Head of the Chancellery of the National Council of the Slovak Republic. From 2010 until 2012 he was Director of the Magistrate Office of the Capital City Bratislava and MP of the National Council of the Slovak Republic. In April 2012 he became Head of the Chancellery of the National Council of the Slovak Republic after resigning his MP mandate in the
National Council of the Slovak Republic. Since a year later, he is currently State Secretary of the Ministry of Transport, Construction and Regional Development of the Slovak Republic.

Juraj Wagner
Expert for Science and Research, Ministry of Education, Science, Research and Sport of the Slovak Republic
juraj.wagner@minedu.sk

Since 2009, he has been working as expert in the field of science and research at the Ministry of Education, Science, Research and Sport of the Slovak Republic. At the same time, he holds the position of Associated Professor at the European Institute of Technology in Kunovice, the Czech Republic. During his professional career, Juraj Wagner hold several managerial positions: in 1989, he was Vice-dean of the Faculty of Electrical Engineering at the Slovak University of Technology in Bratislava; from 1997 to 2000, Dean of the Faculty of Mechatronics at Alexander Dubček University in Trenčín; from 2001 to 2007, he hold the position of Rector at Alexander Dubček University in Trenčín and from 2008 to 2009, he had the position of Vice-rector for strategy and development at the European Institute of Technology in Kunovice, the Czech Republic. Juraj Wagner's scientific background covers the area of mechatronics and power engineering.

Igor Liška
Head of the Municipal Office of Žilina
Igor.Liska@zilina.sk

He graduated from the University of Žilina, Faculty of Operation and Economics of Transport and Communications, specialisation on railway transport in 2004. From 2004 to 2005 he was employed by LKV Svedernik, Slovakia. From 2005 to 2011, he was working for Kooperativa insurance company. He joined the Municipal Office in Žilina in 2011, where he first hold the position of Head of the Transport Department. Since December 2014, ha has been appointed Head of the Municipal Office.

Ivan Mokrý
Director, Department of Transport and Ground Planning, Žilina Self-Governing Region
www.regionzilina.sk

Ivan Mokrý graduated from the University of Transport and Telecommunications, Faculty of Operation and Economics of Transport and Communications, with specialisation on operation and economics of road and public transport. Till 1991 he worked in the Transport Department at Žilina Municipal Office. From 1991 to 1992 he was working in the Transport Department of Žilina Self-Governing Region. From 1993 to June 2006, he was a Chief Officer of the Department of Transport and Environment at Žilina Municipal Office. Since 1st July, he is Director of the Department of Transport and Ground Planning in Žilina Self-Governing Region.
Prof. Milan Dado is Full Professor with the Department of Telecommunication and Multimedia. He was dean of the Faculty of Electrical Engineering, former rector of the University of Zilina, former president of the Slovak rector’s conference and has number of other activities in Slovakia and in foreign countries. Main milestones for development of international activities in research and education were his longer stays abroad, e.g. 2-month stay at the York University Canada, Northern Telecom and Bell Canada in 1993, 6-month stay at the Royal Institute of Technology Stockholm in 1990 and 6-month stay at the Vienna University of Technology in 1981-1982. He has visited many other foreign institutions during last 25 years.

He has been actively involved in European research and education programs (TEMPUS, COST, LEONARDO, Socrates, 5th, 6th and 7th Framework Program, Horizon 2020, European University association projects…) and has managed national projects related to information and communication technologies, intelligent transportation systems, regional innovation strategies and e-learning. He is project coordinator of ERA CHAIR project in Intelligent Transport Systems at the University of Zilina. He has been a member of a number of international committees and is COST program national coordinator, member of COST Committee of Senior Officials as well as Executive Board member of COST at the present time.

Gerhard Menzel is working as policy officer at the European Commission, DG Mobility and Transport within Unit B.4 - Sustainable & Intelligent Transport. He chairs the working group on Security and Standardisation within the Commission’s Platform for the deployment of C-ITS. He holds a Master of Science in Engineering in Intelligent Transport Systems from the University Linköping (Sweden) and University of Applied Sciences Vienna (Austria). Prior to joining the European Commission he worked several years as expert in the field of ITS Deployment at AustriaTech – an agency of the Austrian Federal Ministry of Transport.

Antoine de Kort is a strategic adviser on Traffic Management with Rijkswaterstaat, the national road authority for the Netherlands Ministry of Infrastructure and the Environment. With over 20 years of experience in aerospace, railways and roads, Antoine has been involved in many strategic and highly innovative programs concerning the design and control of systems and flows. Antoine is responsible for strategy development, in particular on the transition towards connected and automated driving, and the implied changes in traffic management operations and other working processes within Rijkswaterstaat. As such, he is currently involved in various working groups for GEAR2030, STRIA, CEDR (Conference of European Directors of Roads) and the Amsterdam Group. He is also one of the founding fathers of the national roadmap ‘Connecting Mobility’, issued in 2013. This joint initiative by road operators, industry and knowledge institutes in the Netherlands has been adopted by the Minister as the long-term policy for Traffic Management and ITS in the Netherlands. He
also delivered the Traffic Management Vision for Rijkswaterstaat defining the role and key challenges for Rijkswaterstaat to accomplish the Connecting Mobility roadmap.

Antoine has a Master of Science degree in Mathematical Engineering at the Delft University of Technology and has published several scientific papers on traffic flow analysis and optimization.

David Sutton
Chief Officer, Integrated Transport Strategy Directorate, Transport Malta

david.sutton@transport.gov.mt

David Sutton is a transport planner and economist by profession with 30 years' experience. A graduate in economics and geography, he went on to carry out postgraduate research on road traffic accidents.
After working in transport planning consultancy in the UK in the late 1980s, he took up position within the Maltese Ministry for Transport. He currently occupies the post of Chief Officer of the Integrated Transport Strategy Directorate of Transport Malta.
He has been responsible for coordinating the planning and development of Malta’s TEN-T network, the introduction of traffic signals and the development of road design standards and guidelines, Malta’s adoption of the EU acquis in land transport, the planning and design of public transport systems and related-infrastructure, and overseeing the development of national transport policy and various local Sustainable Urban Mobility Plans.
He is a part-time lecturer in transport planning and traffic engineering at the University of Malta.

Rasmus Lindholm
Director of Partnership Development, Communication & Advocacy, ERTICO – ITS Europe

r.lindholm@mail.ertico.com

Rasmus Lindholm is the Director of Partnership Development, Communication & Advocacy at ERTICO – ITS Europe. For the past five years, he has held executive positions managing the ERTICO Partnership of 118 companies and organisations as well as the communication department. In addition to this, Rasmus is leading the initiative on ITS for Urban Mobility. Under the “ITS for Urban Mobility” programme, he is currently coordinating the EC co-funded project MOBINET which develops a European-wide eMarket place for mobility services and has recently been appointed Secretary General for the newly established MaaS Alliance. He is also a member of the European Programme Committee which shapes the ITS World and European Congresses programmes.

Suzanne Hoadley
Senior Manager, POLIS

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Suzanne has worked at Polis for 15 years, the association of European city and regional authorities promoting innovation in transport. She coordinates activities related to traffic management and ITS. Key areas on her agenda are open data, open specifications and standards, cooperative systems and automated vehicles. Her work brings her into regular contact with the EU institutions, the vehicle manufacturing industry, system suppliers and researchers. Suzanne is involved in a range of European fora related to cooperative systems, including the EC’s C-ITS Deployment Platform, the Amsterdam Group as well as numerous H2020 projects dealing with cooperative systems and automation.
Roman Srp
Vice-President and Executive Director of ITS&S / SDT, The Intelligent Transport Systems & Services of the Czech Republic and Slovakia
Chairman of ITS Nationals, The Network of National ITS associations hosted by ERTICO – ITS EUROPE
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Roman Srp is an electronic communications engineer with more than 20 years of experience. He graduated at the Czech Technical University in Prague, Faculty of Electrotechnical Engineering in 1992. At present he is active as elected vice-president and executive director of ITS&S, in parallel he co-operates with CTU Prague. Mr Srp is member of Scientific Committee of the Faculty Transportation Sciences of the CTU Prague and member of National ITS Advisory Committee of the Minister of Transport CZ. In 2014 he was elected as the Chairman of ITS Nationals – The network of national ITS association hosted by ERTICO – ITS Europe.

Robert Stüssi
Mobility Mindset | More mobility less cars | SMART thinking of the urban factory
rstussi@gmail.com

Main areas of activity: Robert Stüssi is an urban and regional planner who specialized in transport policy and planning and sustainable mobility; his competences include: mobility management - communicating, promoting and branding - transport authorities and contracting - project monitoring, evaluation, benchmarking and management - institutional strengthening – shared and soft modes (car sharing, car-pooling, bike sharing, bicycling and walking) and vehicle technologies - international networking and lobbying - articles / proceedings / publications; furthermore his 15 year career as president of international Electric Mobility Associations, consultant for E-Mobility for the European Commission and the organisation of European and worldwide E Mobility conferences qualifies him in particular in this field.

Key qualifications: Of Swiss and Portuguese nationality, Robert Stüssi has a long career with professional experience as freelance consultant and manager of various companies; research and teaching experience at several universities and training courses; evaluator for EU, Portuguese, Norwegian projects and programmes; advisor to government and regional and local authorities; certified auditor for mobility plans and expert in peer-to-peer evaluation processes and member of advisory boards. City and thematic networking, as team or consortium leader and as project director, responsible for the management of projects and studies financed by different countries and international agencies (WB, EC, BAD, ASDI; EEA - European Economic Area and Norway Grants); he has working experience in Canada, Europe, Africa and Latin America (living about equal periods in Switzerland and Portugal, with a five year stay in Canada – postgraduate studies in Vancouver and officer in the national government in Ottawa and many stays in Africa).

Recent main activities: Partner and Dissemination manager of the Dorothy (FP7) project: regional cluster building for goods delivery with environmentally friendly means (Italy - Portugal - Romania – Spain / 3 years). INTERREG Capitalisation Expert for Sustainable Transport. URBACT Thematic expert and former Lead Expert. ALLINX.EU Advisory Board www.allinx.eu/advisoryboard. Partner and Evaluation manager CIVITAS Plus MODERN – Coimbra (4 years). Certified Auditor for QUEST (SUMPs – sustainable urban mobility plans) and ByPad (bicycle planning audit). Director of a 4 year demonstration program with electric mini buses in 25 cities. Frequent organizer, moderator and keynote speaker in international conferences.
Cristina Pronello
Full Professor. Chair of Intelligent Mobility and Territorial Dynamics. Sorbonne Universités - UTC (Université Technologique de Compiègne). Département Génie des Systèmes Urbaines (GSU) – Laboratoire AVENUES, France
President of the Mobility Agency of the Piemonte Region in Italy
cristina.pronello@utc.fr

Cristina Pronello is Full Professor at Sorbonne Universités – UTC, Département Génie des Systèmes Urbaines (GSU) – Laboratoire AVENUES from the 1st of November 2016. Since the 30th of September 2016 she is President of the Mobility Agency of the Piemonte Region. Till October 2016 she has been Associate Professor at Politecnico di Torino, Interuniversity Department of Regional and Urban Studies and Planning where she still coordinates the TRIS (Transport Research for Innovation and Sustainability) research group. She gives the courses of Transport Technique and Economics, Transport Planning, Mobility and ICT for Transport (from 2001 to 2010 and from September 2012 till October 2016).

From September 2010 to September 2012 she was Professor at Université Lumière Lyon2, LET-ISH (Laboratoire d’Economie des Transports - Insitut des Sciences de l’Homme). She was director of the Master Transport, Espace, Réseaux (TER) of School of Economic Sciences and Management and ENTPE (École Nationale Travaux Publics de l’État), and responsible, for the scientific sector «Economics», of the International Programme «MINERVE Italie Économie» of the «Faculté de Sciences Economiques et Gestion» of the Université Lumière Lyon2.

She was chair of the PhD course in “ Automation and Informatization of Transport” (from 2003 to 2007), and, since 2005, is member of the teacher board of the PhD course in “Environment and Territory” where she coordinates the Transport section. She is now member of the teacher board of the PhD course “Urban and Regional Development”.

She has an extensive international experience in the transport research field. She has been national expert in the Transport Programme Committee at the European Commission; she is member of Scientific Advisory Board of JPI Urban Europe; Chair of the COST “Transport and Urban Development” Domain Committee (2006-2014); member of the ECTRI Board (European Conference of Transport Research Institutes) from 2005 to 2013; member of the US TRB Committees on International Activities, Technology Transfer and Women’s Issues in Transportation. She is member of the EU Evaluator/Review Expert database within the Horizon 2020, 7th FP, ERANET, ESF, Agence Nationale de la Recherche, FRH, MIUR (Ministry for University and Research), and of AERES now HCERES (Haut Conseil à l’évaluation de la recherche et de l’enseignement supérieur), and Fonds québécois de la recherche sur la société et la culture (FQRSC).

Main research fields are transport systems’ environmental impacts, travel behaviour and travel surveys.

She has taken part in numerous research activities, contracts and provided advice, and coordinated several research projects on transport planning and policy, public transport, travel behaviour, ITS, and environmental impacts from transport.

She is member of editorial boards of some international journals.

Ben Rutten
Program manager for the Strategic Area Smart Mobility at Eindhoven University of Technology
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Ben Rutten, PhD, is since 2012 Program Manager of the Strategic Research Area Smart Mobility at Eindhoven University of Technology (TU/e). He graduated as Mechanical Engineer in 1982 at TU/e and holds since 1995 his PhD on Transportation Technology from Delft University of Technology. Ben Rutten is passionate on new innovations in sustainable transport and ICT in transport. He has over 30 year experience of managing transport and traffic innovation projects in the R&D domain in both public and private organisations. He worked for commercial consultancy firms on ICT and sustainable energy on telematics topics, amongst other traffic management systems, worked as civil servant on program management for sustainable transport systems at Dutch Ministry of Transport and worked for navigation supplier TomTom as program, product and line manager on routing and traffic information technologies. Ben Rutten is active member of EARPA, and actively working member of automation working groups in the European communities of iMobility, VRA and CARTRE.
Jorge Alfonso Kurano  
ITS expert, Polytechnic University Madrid, ECTRI  
jak@gatv.ssr.upm.es

Jorge Alfonso is a Telecom Engineer (with honors) by the E.T.S.I. Telecomunicación (Universidad Politécnica de Madrid). He is a PhD candidate and researcher assistant at the Visual Applications Telecommunications Group (GATV), being deeply involved since 2006 in several R&D national and European Projects in relation with Intelligent Transport Systems, Safety and Audiovisual technologies, being the most relevant projects: OASIS (CENIT), FOTsis (FP7) and OPTICITIES (FP7). Active member of the HUMANIST VCE and ECTRI ‘Security and Risk Management’ and ‘Safety’ Technical Working Groups as well as a member in CEN TC278 and ISO TC204 standardization groups on Cooperative ITS and Electronic Fee Collection. He has numerous publications about architecture frameworks for road applications at both national and international conferences and journals that support the scientific quality of the solutions developed in the GATV research group.

Miroslav Antol  
Head of IoT, Slovak Telekom  
miroslav.antol@telekom.sk

Head of IoT at Slovak Telekom, enthusiastic business developer with wide telco business experience seeking everyday for new opportunities, reflecting last trends and customer needs. Graduated at University of Economics in Bratislava. Joined Slovak Telekom in 2006 dealing with mobile wholesale. Since 2014 leading IoT development at B2B segment of Slovak Telekom. Responsible for strategy, product development, propositions, Go2Market, presales/sales activities. Experience with variety of the wholesale and IoT projects (e.g. access services for toll collection system in Slovakia).

Carlos Holguin Ortiz  
Project Manager Connectivity and Automation, ERTICO  
c.holguin@mail.ertico.com

Carlos Holguin is a Project manager in Connectivity and Automation at ERTICO - ITS Europe. With training as Product Designer and Urban and Mobility Planner, his expertise is at the intersection of Product and service design, vehicle automation technology and operation, transport and urban planning. He has worked as Research Project Manager in France and Italy since 2004, focusing on the design, urban integration and operation of fully automated road vehicles (no steering wheel, no pedals, mind-off) and the mobility services they can provide in cities. Between 2012 and 2016 he was Project Manager of the CityMobil2 project at Centre for Transport and Logistics of the University of Rome, overseeing the development, manufacturing and deployment of 12 fully automated shuttles and advising the Transport Authorities of 7 European pilot cities on the planning and operation of the shuttles’ services.
Lex Eggink is employed by Rijkswaterstaat in the Netherlands. He studied business administration and informatics in Rotterdam and more recently he finished a master in managing complex projects at the Technical University Twente.

He is the Chair of the European standardization technical CEN TC 278 for Intelligent Transport Systems. In that role he facilitates and supports the development of ITS standards. He is also chair of the ITS Coordination Group where standardization work is coordinated between the European Commission (DG Grow, DG Connect, DG Move), ETSI and ISO.

He became involved in the Dutch-English CHARM project as project manager in 2012. In CHARM he is responsible for the design and implementation of the software for Traffic Management. CHARM will replace current legacy systems in the 6 Traffic Management Centers in the Netherlands. In a parallel stream Highways England is replacing the software in their TMC’s.

François Peyret, born in 1950, has an engineering degree from the Ecole Nationale Supérieure de Mécanique et d’Aérotechnique of Poitiers and a PhD in Mobile Robotics from the University of Nantes. He is now Director of Research Emeritus, at IFSTTAR, GEOLOC laboratory, where he has been leading research activities in the field of GNSS-based positioning for ITS applications for 15 years.

François Peyret is chairing the SaPPART COST Action focused on GNSS performance assessment for ITS applications and also convening a standardization group at CEN-CENELEC aiming at producing European standards on this topic.

Dr Ivana Dusparic is an Assistant Professor in Future Cities and the Internet of Things at Trinity College Dublin, Ireland. Her main research interests include machine-learning and large-scale agent-based optimisation of city-wide services. In particular, in the area of intelligent mobility, her focus is on real-time Urban Traffic Control, Autonomic Road Transport Systems, and intelligent optimisation and personalization of service provision in Mobility as a Service solutions. She has worked on numerous national and international mobility projects with other research institutions, industry and public bodies, and is an author of over 30 peer-reviewed publications in the area.
Roman Hauptvogel
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Roman Hauptvogel is a great problem solver with good analytical, architectural and software development experience. Since 2011 he has been senior project manager and solution architect at REC Slovakia acquired by GlobalLogic in 2016. From 2008 till 2013 he was technology consultant in Aqbis, a company he had founded. From 2005 till 2008 he was software developer in Cleverlance in Prague. He studied applied informatics at the University of Žilina. He did his PhD also in applied informatics at University of Economics in Prague in 2013. He has passion in mastering challenges. He is a results-driven project manager, but also an inspiring team player. His experience is focused in Automotive, Security and Telco environments. He has participated in many projects in various roles, including solution architect, integration architect, analyst and developer.

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Dr Giuseppe Lugano joined the ERAdiate team in September 2016 as a Senior Researcher in Intelligent Transport Systems. Previously, he worked from 2011 to 2016 as a Science Officer at COST (European Cooperation in Science and Technology) where he gained extensive experience in the management of trans-disciplinary Science and Technology networks across Europe. As a researcher, Giuseppe contributed to the R&D activities of ICT multinationals such as TeliaSonera (2004-2008) and Nokia (2010). His scientific interests span a wide range of topics in conceptual and application-specific areas of social computing such as digital community design, mobile social networks, social robotics, educational technologies, green ICT and smart mobility solutions. Giuseppe holds a PhD in Cognitive Science from the University of Jyväskylä, in Finland, and a MSc in Computer Science from the University of Bologna, in Italy.

Charlene Rohr
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Charlene Rohr is a Senior Research Leader at RAND Europe, a not-for-profit research organisation. She has over 20 years of experience undertaking research to understand and predict travel demand trends, including the impacts of demographics, policy and new technology. Recently, she has led a study for Innovate UK to develop future scenarios for the UK exploring how technology and changing socio-demographic and economic factors may influence travel demand in the UK and the policy impacts of these scenarios. In 2014, she undertook an evidence review of key factors influencing car travel in Britain. Currently she is leading a study for the European Parliament to explore whether there is value in amending rules on liability and insurance to support the deployment of connected and autonomous vehicles in the European Union.
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Federico holds a Master’s degree in Law and a Ph.D. in Philosophy of Law from the University of Padua (Italy). After several years as a lawyer, he became researcher in Philosophy of Law in the Department of Law at the University of Udine (Italy), where he teaches Legal informatics and General Theory of Law. His inquiries aim to bridge philosophy, computer science and law, focusing on the strife between human nature and new technologies. Currently he is working on issues concerning Information Society and sharing economy, Philosophy of information and digital forensics, legal liability of artificial agents. His full profile and the list of publications are available on Uniud.it, Linkedin.com and Academia.edu.

Floridea Di Ciommo
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Dr Floridea Di Ciommo is responsible at CENIT for the research area on Sustainable Mobility and travel behaviour. She has a PhD degree in Transport and urban planning and an MSc degree in Economics. She has long time worked on transport and accessibility issues and socio-economic infrastructure evaluation. Floridea, works in mobility patterns and travel behaviour analysis based on new data sets (i.e. smartphone and smart cards data). She has experience on estimating hybrid models including new social influence variables, and on qualitative approaches (i.e. focus groups and interviews). She is chairing TEA Cost Action TU1209. She has experience in tutoring more than 20 MSc thesis and PhD thesis on Travel behaviour and Equity Policy evaluation. She is member of Travel Behaviour and Value and Women Issues in Transportation TRB Committees and led calls for papers and Workshops on Social Networks and travel behaviour, and Equity and Transportation Analysis.

Johannes Liebermann
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Johannes Liebermann, male, born 1987. Works for AustriaTech for over 5 years as a Project Manager in the field of connected and automated driving. He is the national contact point for this topic and has been responsible for the process to the create Austrians national action plan, which aims to foster the developments in this field. Holds a Master’s degree in Intelligent Transport Systems from the University of Applied Sciences Technikum Vienna, Austria.

Biagio Ciuffo
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Biagio Ciuffo received the Ph.D. degree in transportation engineering from the University of Napoli Federico II in 2008. Then he held a three-year Post-Doctoral position at the European Commission Joint Research Centre (JRC), working at the sustainability assessment of traffic and transport related
measures and policies. He is now a Scientific Officer of the JRC, where he leads different projects concerning the reduction of CO2 emissions from road transport and the effect of introducing autonomous vehicles.

Biagio Ciuffo has published more than 50 papers in peer-reviewed journals and conference proceedings. He is associate editor for the IEEE Transactions on Intelligent Transportation Systems and acts as reviewer for several international journals. For his research activities on the calibration of traffic simulation models he was awarded with the 2012 Greenshields Prize and with the 2013 SimSub Committee Prize from the Transportation Research Board of the US National Academy of Science.

Imre Lendak is an assistant professor at the Faculty of technical sciences (FTS), University of Novi Sad, Serbia. He obtained his PhD from the University of Novi Sad in 2011 for a big data algorithm analyzing mathematical graphs representing complex electric power distribution systems. Currently he teaches distributed systems and security-related subjects at FTS. In 2016 and 2017 he served as the general chair of the International Workshop on Crowd Assisted Sensing, Pervasive Systems and Communications (CASPer). In 2014 he received a grant from the Hungarian National Academy of Sciences for the development of a simulation environment for analyzing a mobile crowd-sensing scenario based on the MASON multi-agent simulation engine. His current research interests include mobile crowd-sensing in the Smart City, crowd-sensing simulation and big data visualization algorithms. He is a management committee member of two relevant COST actions (IC1203 and CA15212).

Dr Nikolas Thomopoulos is a Senior Lecturer in Transport and Business Logistics at the Department of Systems Management and Strategy of the University of Greenwich. Previously he was a researcher at LSE Cities and at the Institute for Transport Studies of the University of Leeds, where he was also a Marie Curie fellow. Following his studies in Greece, Germany and the UK focusing on economics, environmental policy and transport, he has contributed in a range of European and international research projects. He is a co-editor of the NECTAR series book ICT for Transport: Opportunities and Threats (2015) published by Edward Elgar. Current research interests revolve around smart and green urban transport including autonomous vehicles, as well as business models evaluation.

Gert Blom studied Economic Geography at Nijmegen University (NL). After working for 20 years as a logistics manager and business unit manager for private companies in the Automotive and Food sector, Gert changed job 10 years ago to start working for the city of Helmond (NL). First as Traffic Department manager, now as strategic advisor mobility in combination with his job as international innovation manager for ITS Agency BrabantStad. Gert was strategic deployment advisor in the European C-ITS project Compass4D and is a member of the C-ITS Deployment Platform of the EC. He is one of the
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Ján Čelko deals with problems of Transportation Engineering and Planning, and Diagnostics of the pavement surface characteristics. He is author and co-author of three scientific monographs and six textbooks in the fields of described scientific topics; more than 150 papers in the scientific journals and proceedings from scientific conferences. He was a leader of scientific projects oriented to the research of the roads; member of research teams of 5th, 6th and 7th FP EU; author Technical regulations and methodologies in Slovakia and abroad. He is the project manager of Centre of Excellence for Transportation Engineering of University of Zilina; representative of Slovakia in FEHRL, representative of Slovakia in World Road Association PIARC in group TC C.2 - Design and Operations of Safer Road Infrastructure. He is a member of several domestic and foreign scientific organisations; editorial boards, and scientific committees of the conferences.

Saša Bart
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For the past 18 years, Saša has been consulting private and public sector on strategic challenges and innovative business models. As a founder and managing director of Savjetura, he and his team are focused on Sustainable Urban Mobility, Electric Vehicles Business Models, EU/National/Local incentives for Electric Vehicles uptake, National Policy Frameworks for the alternative fuels infrastructure (Directive 2014/94/EU) and public transport decarbonisation. Saša holds an MBA from IEDC Bled School of Management and currently pursues a PhD in Management and Organisation at University of Ljubljana.

Andrew Nash
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Andrew Nash works on the integration of advanced technology in transport and urban planning. Current projects include developing a clearing house for the development of apps and social media to support sustainable transport (http://crowdsourced-transport.com), Banedanmark Signalling Programme TMS design, and advising clients on apps and social media strategies. He is active in several European Commission funded research projects.
Before moving to Europe Nash served as Executive Director of the San Francisco County Transportation Authority. He also worked as a senior manager for several other Bay Area agencies, including Caltrain, and as a consultant with CDM Smith.
Nash has advanced degrees in City and Regional Planning and Engineering from the University of California at Berkeley, Northeastern University, and obtained his BS degree in Civil Engineering from Rensselaer Polytechnic Institute.
Dr Karl Ernst Ambrosch is acting as the ERA Chair Holder for Intelligent Transport Systems (ITS) at the University of Žilina, Slovak Republic. This is a lighthouse project of the European Research Area (ERA) funded by the European Union.

The professional life of Dr Ambrosch includes work for several universities as well as in industry and SMEs. During the last decades his main interest was to convert knowledge into commercially used systems and products.

He was leading the largest non-university research company for energy and mobility in Austria, arsenal research, from 2008 to 2012. He restructured the company, organized national and international research projects, and finally merged it into the mother company AIT – Austrian Institute of Technology. In addition he has a long term history as entrepreneur and consultant.

Dipl.-Ing. Rainer Haselberger finished his diploma from the Vienna University of Technology in "urban and regional planning" in 1983. He has been working for the Municipality of Vienna since 1984 in different positions in the ICT- and city-planning departments. Rainer has published papers in the fields of environmental informatics and intelligent transport systems and he is a member of "TC 220 – Intelligent Transport Systems" of the Austrian Standards Institute (ASI).

Branislav Zacharides’s is the Director of the Žilina Region Development Agency since 2007. His responsibilities are: running the organization; preparation, submission and running of projects; creation of strategic documents in the area of regional development. His previous experience in the Slovak Republic includes: Regional Development Officer of Žilina Region in 2007; Chief Executive Officer of the City of Vrútky from 2003 to 2007; and Teacher at the State Language School Žilina from 1998 to 2003.

Mr Zacharides has experience in running many different projects in the field of regional development, including projects focusing on the improvement of local and regional roads, as well as different measures supporting cycle transport. Currently, he is part of the team working on the first Sustainable Mobility Plan of Žilina Region.
András Neiner joined the Paks Mayor’s Office in September 2003 as a fresh graduate. He started to deal project management just before Hungary’s accession to EU and he keeps doing this job until now. In these years he managed various EU projects submitted by Paks and took part in different large projects like modernization of public lighting, sewage construction in the city, developing waste management system, etc. Between 2008 and 2011 he represents Paks in a Central Europe project called Roman Danube Limes - UNESCO World Heritage Framework “Frontiers of the Roman Empire”. City of Paks take part in many new green EU projects as a partner which are offering smart solutions and András is the contact person in these projects. He is responsible for submitting the partner reports, contacting, observing the local process, documentation, etc.

Łukasz Franek is a deputy director at Krakow Road and Transport Authority (Poland) responsible for public transport, cycling and walking. He previously worked at Krakow University of Technology where research fields cover traffic engineering and road safety, with a focus on vulnerable road users and walkability. He has 10 years of experience in sustainable mobility management and urban transport systems development, also within EU projects. Mr. Franek is the co-author of many mobility concepts for Polish cities, including the first Polish car sharing system, zero-emission corridor in Warsaw and walkability evaluation for the largest cities in Poland. He is also a CiViNET Poland Network secretariat coordinator.

Peter Brida was born in Slovakia. He received the Master of Science in Telecommunications and the PhD degree in Mobile radio communications from the University of Zilina, Slovakia, in 2002 and 2006, respectively. He spent 3 months as researcher at the Wireless Telecommunications Laboratory, University of Patras, Greece. Currently, he works as associate professor at Department of Telecommunications and Multimedia at the University of Zilina (FEE). His research interests include wireless positioning in mobile radio networks, satellite navigation systems, location based services and intelligent transport systems. He is the author or co-author of more than 60 technical papers published in scientific journals and presented at international conferences. Dr Peter Brida has been a member of Technical Program Committees for several conferences such as IPIN, ACIIDS, ICCCI, etc. In the past he was chairman of several special and invited sessions at various conferences. He was guest editor of special issue titled “Enabling Technologies for Smart Mobile Services” in Mobile Information Systems (Hindawi).
Tatiana Kováčiková  
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From June 2013 till October 2015, she held the position of the Head of Science Operations at the COST Association in Brussels. In 2013, she was appointed Full Professor in the Applied Informatics. From 2009 to 2013 she was the Head of the Department of InfoCom Networks at the University of Žilina. Her research interests include Information and Communication Technologies (ICT) and Intelligent Transport Systems (ITS), in particular network architectures, services and applications. She has been involved in a number of national and international research projects including COPERNICUS, INCO-COPERNICUS, EURESCOM and EC FP6, FP7 and H2020 projects.

From 2002 to 2013, she was involved in the European Telecommunications Standards Institute (ETSI) as a leader or member of Specialist Task Forces for CLOUD, TISPAN and ITS Technical Committees. In 2003, she got the SIEMENS AWARD for leading the research group in the field of IP telephony. In 1996, she received her PhD in telecommunication systems from the University of Transport and Telecommunications in Žilina, former Czechoslovakia. She received her diploma in telecommunication engineering from the same university.

Juraj Vaculík  
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Juraj Vaculík is a co-founder and CEO of AeroMobil, an advanced engineering company that is commercializing a sophisticated flying car, combining a luxury sports car and a light aircraft in a single vehicle.

In 2010, Juraj co-founded AeroMobil and manages the company as its CEO. In 2013, together with the inventor and co-founder Stefan Klein, he unveiled the pre-prototype of AeroMobil 2.5 at the SAE Conference in Montreal. A year later, an experimental prototype of AeroMobil 3.0 was developed under his lead with the team of 12 people and presented at the Pioneers Festival in Vienna. Popular Science magazine presented AeroMobil with Invention of the Year 2015 award and UK edition od Wired magazine ranked the project among the top 10 rule breakers last year.

Juraj has over twenty years’ experience of working as a leader with very broad experiences from political revolution to international media and advertising industry. During Velvet Revolution in 1989 which ends a communist era in former Czechoslovakia, he was one of the key persons in Student Movement who have started the process of democratization and established the new post-revolution government in Slovakia.

In 1992, he started his career as a creative director for major global advertising agencies which started their operations in Czech and Slovak republics. In 1996 he founded MADE BY VACULIK - one of the leading independent advertising agencies in the CEE region, extending its reach to over 30 countries. Juraj acts as an angel investor in numerous projects in Europe and the US.
Organising Team

Mickael Pero
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Dr. Mickael Pero has been Science Officer at the COST Association since February 2014, where he currently manages a portfolio of COST Actions coordinating research and technology advancement on: urban ecosystems and renewable energy integration in a local context; reliable, safe and sustainable transport modes; advanced monitoring and integration of improved materials for resilient constructions.

In 2012, he received a Marie Curie grant within the EU project ManETEI to investigate the emergence of technologies. During his research he was hosted by Fraunhofer (ISI) and could develop close collaborations on the topic both from a private perspective with Bayer as well as from a holistic perspective with the EU project ResAgora.

His academic background stands in Economics of Science and Innovation with a PhD obtained at the Bocconi University in 2013. In parallel, he applied his knowledge and know-how to the study of Research Infrastructures by contributing to the EU project RIFI, being at that time hosted by Elettra Sincrotrone Trieste (2006-2011). This experience was complementary to previous knowledge acquired in the socio-economic evaluations of technological SMEs (Brussels and Wallonia, 2004) as well as the technological platform MINATEC (Grenoble, 2005).

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For further details please refer to section Speakers, Moderators and Rapporteurs.

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