REAL CORP 2017

CONFERENCE PROGRAMME

22nd International Conference on Urban Planning and Regional Development in the Information Society

PANTA RHEI

A WORLD IN CONSTANT MOTION

Karlsruher Institut für Technologie

ISOCARP
Knowledge for better Cities

TU WIEN

GEO

12-14 SEPTEMBER 2017

VIENNA UNIVERSITY OF TECHNOLOGY, AUSTRIA

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Kompetenzzentrum für Stadtplanung und Regionalentwicklung

Competence Center of Urban and Regional Planning | www.corp.at

12-14 SEPTEMBER 2017, VIENNA UNIVERSITY OF TECHNOLOGY, CAMPUS GUSSHAUS
GUSSHAUSSTRASSE 25-29, 1040 VIENNA, AUSTRIA

WELCOME

Manfred Schrenk, Vienna, Austria;
Conference Director, Chairman CORP

WELCOME to REAL CORP 2017, the 22nd International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

The proceedings of this year's conference contain 66 scientific papers which were selected after double-blind, double-stage (for both abstracts and full papers) peer-review process for publication and presentation at the 22nd International Conference on Urban Planning and Regional Development in the Information Society REAL CORP 2017. Also some non-reviewed papers were accepted by the programme committee after a double-blind abstract review. The conference is held from 12 to 14 September 2017 in Vienna, Austria, in cooperation with Vienna University of Technology, Department of Geodesy and Geoinformation, Research Group Geoinformation. REAL CORP 2017 "PANTA RHEI – A World in Constant Motion" had a special focus on everything that moves in time and space.

Mobility is a multifaceted topic with a complex past development. Ideological quarrels, almost religious wars have been fought during the past decades when talking about mobility issues: boundless mobility for free citizens or priority to humane, liveable settlements? Can mobility cost transparency start an overdue restructuring or would it bring down or complete economic system? Expansion of transport infrastructure to shrink distances or shrinking of transport infrastructure for a compact city of short distances?

How can we use today's knowledge and techniques to shape the forward-looking mobility of tomorrow? Mobility is necessary; each human spends a certain percentage of their lifetime on mobility. When mankind became permanent residents, transport routes were built to cover our daily needs and start early trade. Today, our cities are completely dependent on mobility processes. But how far must, may, or should mobility form – or dominate – our lives? These questions and many other topics are dealt with during the conference days.

Vienna, the host city of REAL CORP 2017, is the most liveable city in the world according to the well-known Mercer study on quality of living. The results of this study show, for the 8th time now, that Vienna's approach to quality of living is acknowledged internationally. In the year 2017, once again Mercer has ranked Vienna first in its international quality of living survey as the city with the highest quality of living worldwide. The study compares 230 cities worldwide based on 39 criteria such as political, social, economic, and environmental factors. Two more European cities are among the top five: Zurich on the second and Munich on the fourth position. Auckland (3) and Vancouver (5) complete the top five cities.

Vienna is a very international city not only because of its location as a bridgehead between Western, Central, and Eastern Europe, but also as homebase of many international organisations like United Nations, IAEO, or OPEC. What a perfect locatioon for REAL CORP which has always been a conference with a strong focus on international presenters and audience – this year we brought together some 250 participants from more than 40 countries worldwide.

The main goal of the REAL CORP conference series is to bring together leading experts in the field of spatial planning, geoinformation and related disciplines to exchange their knowledge, share their ideas, discuss current developments and get together for face to face networking leading to the development of new thoughts, partnerships and projects.

The success of the REAL CORP conferences is – clearly without doubt – the result of the efforts of participants, reviewers, and the conference organising team consisting of CORP association, Karlsruhe Institute of Technology and Vienna University of Technology, supported by the Austrian Federal Ministry of Transport, Innovation and Technology, Austrian Mobile Power, AustriaTech, and ISOCARP. We would like to acknowledge the Reviewer Team and Programme Committee members for their valueable voluntary help with the review process. Our thanks go to all participants and authors of the submitted papers as well.

Welcome to Vienna!
Have a great conference!

Manfred Schrenk, Clemens Beyer and the REAL CORP Team

http://live.corp.at

Walter Wasner, Vienna, Austria;
Austrian Ministry for Transport, Innovation and Technology

Bundesministerium
für Verkehr,
Innovation und Technologie

The Austrian Federal Ministry for Transport, Innovation and Technology (bmvit) is going new ways in shaping a sustainable mobility future. Fostering research, innovation and technology (RTI) is a key strategy for tackling transport related challenges in a world of constant motionas well asa driver for the innovativeness of the Austrian transport industry, from technological components over new services to planning consultancy expertise nationally and around the world.

Numerous new mobility services over all transport modalities and novel methodologies and tools for transportation land-use planning originate from the portfolio of RTI funding and supporting activities developed during the last years. Future challenges and approaches call for a "responsible, innovation driven and supported planningin transport and mobility", e. g. through

- creating liveable and equitable mobility environmentsby re-designing and managing public spaces and transportation systems,
- enabling new mobility solutions by more closely involvingcitizens in the innovation process in participatory ways,
- supporting entrepreneurial approaches and information exchange across scientific disciplines and (policy) actors in and beyond the transport field for unlocking an utmost of innovative potentials for the future,
- developing expertise and decision making support competence to utilize the maximum potential of digitalisation in the field of transport and to anticipate and avoid potential unintended effect or counter-effects at an early stage and
- establishing real-world learning environments and highly performant innovation eco-systems for taking-up research results into societal practice in a more accelerated pace.

Recent activities brought forward from bmvit together with its partner organisations Austriatech and FFG like the Austrian Urban Mobility Labs initiative, test tracks for automated driving or an endowment professorship on digitalisation and automation of the mobility systems together with numerous research projects on planning, modelling and simulation in the frame of our programme "Mobility of the future"shall substantiate the transition pathway in the world of mobility.We hope that these – amongst many others – will provide an interesting source for inspiration in the REAL CORP 2017 conference contributing to a valuable exchange and mutual learning in the international community of planners.

Walter Wasner

About REAL CORP

CORP conferences have been held annually since 1996 and are major international congresses on Urban Planning, Regional Development and Information Society. The events are extraordinarily interdisciplinary, whereby usually a lot of new ideas and projects are generated. Several hundred experts from all around the world from the fields of urban planning, transport planning, information and communication technologies, architecture, ecology, real estate, GIS and surveying, multimedia technologies and more meet to discuss current tasks and topics on urban planning, regional development and information society in an international and interdisciplinary conference. Speakers and participants represent private companies as well as research institutions and public administration. The programme includes expert lectures, round tables and workshops, business presentations and exhibitions as well as extensive social events. All conference papers are freely available on our website www.corp.at – not only from this year's conference, but back to 1996, including a full text search engine.

KEYNOTE SPEAKERS

Manfred Schrenk studied spatial planning and regional science at Vienna University of Technology where he extensively worked on urban and transport planning. His fields of specialisation are urban planning and spatial development in information and knowledge society, mobility and transport planning, international urban development, urban, transport and environmental technologies, GIS and planning technologies. He is organiser of the annual international CORP conferences since foundation in 1996. He has been Vice President Events & Treasurer ISOCARP (International Society of City and Regional Planners) and Deputy President AGEO (Austrian Umbrella Organisation for Geoinformation). He is board member ÖGR (Austrian Society of Spatial Planning) and Chairman CORP (Competence Center for Urban and Regional Planning).

Manfred Schrenk, Vienna, Austria; *Conference Director, Chairman CORP*

Gerhard Navratil is a research and teaching assistant at the Institute of Geoinformation at the Technical University of Vienna. In 2002 he received his PhD from the Technical University of Vienna: He discussed how to create a mathematical model from the pure law text resulting in an abstract specification that can be used to write programs implementing the law using the Austrian General Land Registration Law as a test case. In July 2007 he received the Venia Docendi (the right to teach) from the Vienna University of Technology. Since 2010 Gerhard Navratil is a member of the WIA team (Wissenschaft in der Ausbildung) at the University of Applied Science Technikum Wien. Since 2011 he is a member of the Austrian team aiming at establishing boundaries and boundary marks as UNESCO World Heritage.

Gerhard Navratil, Vienna, AT; *Vienna University of Technology, Department of Geodesy and Geoinformation, Research Group Geoinformation*

Walter Wasner has a master degree in Regional and Spatial Planning from Vienna University of Technology. He has specialized in the field of sustainable mobility and public transport and started his professional career in some of Austria's leading consultancies for transportation and land use planning. He has worked as a product and quality manager for the former Austrian regional bus transport provider Postbus, where he also managed R&D projects, e.g. in the field of Geographical Information Systems and Intelligent Transport Systems. Since joining the Austrian Federal Ministry for Transport, Innovation and Technology in the year 2006 he was the responsible person for the funding programme ways2go, Austrian coordinator of transport RTI funding programmes within the ERA-NET TRANSPORT network and has carried out programme strategies and research roadmaps on personal mobility in the frame of the novel Austrian funding programme Mobility of the Future.

Walter Wasner, Vienna, AT; *Austrian Federal Ministry for Transport, Innovation and Technology*

Heimo Aichmaier holds a master's degree in urban and regional planning from Vienna University of Technology and is managing director of Austrian Mobile Power. Until June 2012 Aichmaier was E-Mobility coordinator at the Federal Ministry for Transport, Innovation and Technology, responsible for the strategic development, management and integration of the E-Mobility in the Austrian Transport and Transport research policy. He initiated and facilitated the interministerial coordination and cooperation process between the Ministry for economics, Ministry for Environment and Ministry for Transport until the approval of the Austrian government in July 2012. In 2009 Heimo Aichmaier was posted as national expert at the Office für Science and Technology in Washington D. C. for structured information exchange and dissemination in the field of electric mobility between the administration of Austria and the USA. Previously Aichmaier was in charge of developing national RTI (research, technology, and innovation) strategies and measures for electric mobility as well as the initiation of bi- and multilateral cooperation.

Heimo Aichmaier, Vienna, AT; *Austrian Mobile Power*

KEYNOTE SPEAKERS

Martin Russ is a transport planner and head of AustriaTech, Austria's federal agency for technological measures. His expertise for more than two decades has been the advancement and optimisation of transport and mobility technologies. At the Austrian Research Promotion Agency FFG he was responsible for the field of transportation technology, and in the Austrian Federal Ministry of Transport, Innovation and Technology he concentrated on research, technology, and patent affairs. Since 2011 he is working as a CEO for AustriaTech in which position he is committed to realising and promoting a modern, effective, and affordable mobility system and also underlines Austria's leading position in the international context. Martin Russ is also Secretary General of ITS Austria and Member of the Board at ERTICO – ITS Europe.

Martin Russ, Vienna, AT; *CEO AustriaTech*

Ric Stephens is an educator, consultant and civic advisor helping to create meaningful and memorable places in over 30 countries. He is currently an adjunct instructor for Marylhurst University, Portland Community College, Portland State University and the University of Oregon where he teaches courses in urban planning, international development, global business and unmanned aircraft systems. Stephens Planning & Design LLC, Mr. Stephens' consultancy, is engaged in projects and programs in the U.S. Pacific Northwest and internationally in the following areas: Planning: Community Planning, Tourism Planning, International Planning; Design: Urban Design, Regenerative Design, Experiential Design, Information and Communications Technology: Geospatial Analysis & Cartography, Multimedia, Unmanned Aircraft Systems. Ric and his wife, June, live in the City of Beaverton, Oregon where they serve on the local Community Emergency Response Team.

Ric Stephens, Portland, Beaverton, USA; *President ISOCARP & Stephens Planning and Design*

Ioannis Giannopoulos is a post-doctoral researcher and lecturer working on Mobile Eye Tracking and HCI with focus on Wayfinding assistance at the Chair of Geoinformation Engineering at ETH Zurich, Switzerland. He was born in the city of Patras, Greece, in 1985. In 2009 he received his Bachelor (B.Sc.) and in 2011 his Master (M.Sc.) in Computer Science from Saarland University in Saarbrücken, Germany. He conducted his theses at the German Research Center for Artificial Intelligence (DFKI). In 2015 he successfully defended his dissertation at ETH Zurich. His research interests focus on mobile gaze based assistance of spatio-temporal decisions during wayfinding. This includes the performance of user studies in real urban and virtual environments for the exploration of processes such as self-localization and orientation, the development of novel mobile gaze based wayfinding assistance concepts and their evaluation in realistic scenarios.

Ioannis Giannopoulos, Zürich, CH; *ETH Zürich, Researcher and Lecturer*

Franz-Reinhard Habbel ist ein deutscher Schriftsteller und Sprecher des Deutschen Städte- und Gemeindebundes mit Sitz in Berlin. Er gehört als Herausgeber von Sachbüchern, Redner und Mitglied hochkarätiger Fachgremien zu den führenden Köpfen der Einführung von E-Government in Deutschland. Habbel leitete ab 1978 das Kreistagsbüro des Hochsauerlandkreises. Seine erste Sprecherposition erhielt er 1982 beim Städte- und Gemeindebund Nordrhein-Westfalen sowie beim Landesverband des Deutschen Städte- und Gemeindebundes (DStGB), Düsseldorf. 1998 wurde er bundesweiter Sprecher des DStGB in Berlin und bekleidet diese Position bis heute. Als Sprecher dieses kommunalen Spitzenverbandes artikuliert er die Interessen von 11.000 Kommunen in Deutschland. Er ist Gründer und Leiter des Innovators Clubs des DStGB. Darin befassen sich rund 40 Oberbürgermeister, Bürgermeister und Landräte sowie Führungskräfte aus Politik, Wirtschaft und Wissenschaft interdisziplinär mit strategischen Zukunftsthemen der Kommunen.

Franz-Reinhard Habbel, Berlin, DE; *Sprecher des Deutschen Städte- und Gemeindebundes, Leiter des Innovators Club*

https://de.wikipedia.org/w/index.php?title=Franz-Reinhard_Habbel&oldid=145185372

KEYNOTE SPEAKERS

Han Admiraal (* 1959) studies Civil Engineering at the University of Applied Science in Rotterdam. He worked for the national Department of Public Works and Water Management for 20 years. Han Admiraal became Executive Director of the COB, the Netherlands' Centre for Underground Construction and stayed there for 10 years. At the same time he was a part time professor of Underground Space at Zeeland University of Applied Science in Vlissingen. In 2008 he became the owner and Managing Director of Enprodes Management Consultancy in Rotterdam. As a practising tunnel safety officer, one of his specialties is road tunnel safety. Han Admiraal is the chair of the International Tunnelling and Underground Space Associations Committee on Underground Space (ITACUS). He is also president of the Dutch-Flemish Pipeline Industry Guild and promotes underground freight transport in that role. As a member of the Urban Planning Advisory Group of UNISDR, he also advises the Special Representative of the Secretary General of the United Nations for Disaster Risk Reduction.

Han Admiraal, Rotterdam, NL; *Enprodes Management & ITACUS (ITA Committee on Underground Space)*

Antonia Cornaro, MA Urban Planning, studied and lived in New York City for several years, where she gained experience working for the City's Planning Department working on pedestrian and cycling schemes to ease congestion and reduce pollution. She has working experience as an urban and transport planner from the public and private sector from New York City, London, Vienna and Zurich. Former employers include Parsons Brinckerhoff (London), the Austrian Institute of Regional Planning (Vienna) and Ernst Basler + Partner (Zurich). In her current work as Business Development Manager at Amberg Engineering, an internationally active Swiss firm specializing in underground infrastructure design and management, she focuses on Urban Underground Space with the aim to increase mobility, livability and resilience of urban areas. This is also central to her work as Vice Chair of ITACUS (the International Tunnel and Underground Space Association's Committee on Underground Space

Antonia Cornaro, Zürich, CH; *Amberg Engineering & ITACUS (ITA Committee on Underground Space)*

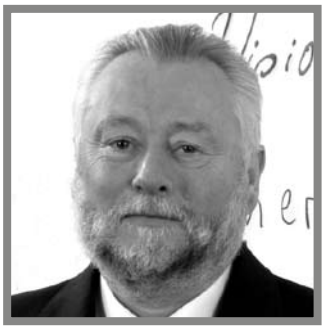
Claus Seibt was trained as transport engineer and in addition as a social and political scientist. He started to work as research associate for ecological economics, sustainability and transport research in the mid 1990ties. Most of his career he was involved in strategically advising transport research and innovation programs at the national level in Austria and later seconded as policy officer to the European Commission. In the past few years he was program director for sustainable mobility and transport policy at the Wuppertal Institute for Climate, Environment, Energy. In 2017 he decided to found his own Research Institute and Think Tank - Transforming Mobilities. This recent step in his career is expressing his desperateness, that mobility and transport research is still severely lacking openness to other social science disciplines, other concepts and approaches.

Claus Seibt, Lörrach, DE; *Transforming Mobilities*

Lukas Mandl (born 1979 in Vienna) was elected as a State Parliament Member in Lower Austria in 2008 and re-elected in 2013. He is chairing the Parliamentary Committee on Europe and EU affairs. In 2017 he has been elected as a new Vice President of the Assembly of European Regions, the largest independent network of regions in wider Europe bringing together regions from 35 countries and 15 interregional organisations in a forum for interregional cooperation. He is also serving as the Vice Major of the Municipality of Gerasdorf. Mandl finished his university degree at the University of Vienna in communication science in 2004. He was working as a University Lecturer from 2008 to 2016 at Vienna University of Economics and Business. He has been working in editing and ghost writing since 1999 and as an advisor, consultant, coach and trainer since 2001; since 2016 under the umbrella of Bottleneck Consulting. Lukas Mandl has founded the Austria Kosovo Friendship Society and is heading it. He is married with three children.

Lukas Mandl, St. Pölten, AT/Brussels, Belgium; *Member of Lower Austrian State Parliament/Assembly of European Regions*

SPEAKERS



Bernd Hallier, born 1947 in Hamburg/Germany, studied at Hamburg University and graduated with a MA degree in Economics. In 1985 he became head of the Institute for Self-Service (ISB) in Cologne/Germany which he first transformed into the German Trade Institute (DHI) and then in 1993 into the European Trade Institute (EHI) today labeled as EHI Retail Institute. Already during his studies he gained international experience due to traineeships in Turkey , Israel, South Africa, Japan, China. Later he traveled and lectured in all continents of the world. During the past decades, he was honoured by multiple universities across Central and Eastern Europe. His publications cover themes of macro-economics as well a micro-economics especially in trade, but he also covers the intertwine between commerce and culture.

Bernd Hallier, Hamburg, Germany; *Founder of EHI Retail Institute*

Qualified as an architect and urbanist with an MSc in social sciences, Judith Ryser's research activities in Paris, Stockholm, Geneva (United Nations), Brussels (EU), Madrid (Fundacion Metropoli) and London in public sector posts, private practice and at universities (UCL, AA) focused on cities and development strategies. She carries out research and consultancies, advises international agencies, is teaching and guest lecturing, engages with community groups, writes articles and edits publications at home and abroad. She is a member of the International Advisory Council of the Fundacion Metropoli, Madrid. Past vice-president and life member of Isocarp (International Society of City and Regional Planners), she carried out many executive functions. She is a long standing collaborator of CORP, member of the Urban Design Group and its editorial board and a member of the Chartered Institute of Journalists.

Judith Ryser, London, UK; *Architect, CityScope Europe, www.urbanthinker.com*

Guenter Emberger, Dr., born in Austria 1967, presently holds the position of ao.Univ.Prof. at the Vienna University of Technology, Institute for Transportation, Research Center for Transport Planning and Traffic Engineering. He was Guest Research Fellow at the Institute for Transport Studies (ITS), University of Leeds, UK, (7/2002 to 6/2004). G. Emberger is working in the field of transport research since 1990 and carried out research in transport and land use modelling, traffic safety and environmental impact analysis, walking, cycling and public transport. He was involved in more than 35 international and in more than 40 national research projects and published more 100 scientific articles and book chapters.

Harald Frey works in the field of transport planning and traffic engineering at the Vienna University of Technology. He completed a Diploma program of Civil Engineering and holds a PhD in the field of transport and infrastructure planning. His scientific output mainly focuses on feasibility studies, traffic concepts, transport modelling and research about the interdependencies between transport system and city planning. He is member of several expert committees and is supporting communities and politicians in Transport Planning and Transport Policy.

Tadej Brezina, born 1976 in Ljubljana, Slovenia. He studied civil engineering at Vienna University of Technology with a specialization in transport and infrastructure.Researcher at Vienna University of Technology's Institute of Transportation with a special interest in mobility systems, cycling and public transport.

Günter Emberger, Harald Frey, Tadej Brezina; Vienna, AT;
Vienna University of Technology, Institute for Transportation, Research Center for Transport Planning and Traffic Engineering

Special Focus: E-Mobility and Spatial Planning

12 September, 14:00 – 16:00, Auditorium 1

EMILIA – Electric Mobility for Innovative Freight Logistics in Austria

The global megatrend of urbanization is creating metropolitan areas that pose an enormous challenge to supply logistics. Freight logistics in cities is gaining increasing importance in view of these high rates of urban population growth. The European Union aims to achieve essentially CO_2-free city logistics in major urban centers by 2030. The EMILIA project is taking a step towards achieving this goal by developing new logistics concepts for urban areas, involving all relevant stakeholders from the outset.

Innovative logistics concepts

A consortium of 14 Austrian companies have developed technologically advanced transport vehicles and innovative freight logistics concepts for urban areas in a project coordinated by the Austrian Institute of Technology (AIT). EMILIA – Electric Mobility for Innovative Freight Logistics in Austria – is designed to make deliveries in cities more efficient and sustainable in the future. In thesponsorship project of the climate and energy fond,innovative concepts for urban freight logistics are developed and tested and electric vehicles are optimized regarding their range and production costs.

The optimization methods developed within the project enable the best possible use of electric vehicles in urban logistics – delivery times are minimized and customers can be supplied efficiently and eco-friendly. The optimization algorithms were integrated into a smart routing application for the use in urban delivery.

Innovative electric vehicles for the urban delivery

In EMILIA two light utility vehicles – an electric van and an electric cargo tricycle – are optimized and tested for the use in freight logistics. Within the project an electric drivetrain for an innovative cargo tricycle was developed – the electric motor supports the pedaling force and in this way enables the transport of bigger weights over longer distances. The electric cargo tricycle includes tilting &springing technology and ensures a better driving dynamic as compared to conventional cargo bikes, more safety for driver and load as well as lower dropping costs.

Billa liefert elektrisch mit dem Lastenrad ©Austrian Mobile Power

Furthermore an adapted electric van was optimized within the project by the development and integration of a highly efficient electric motor. The innovative high power converter developed in the project saves volume, material and weight. The new synchronous machine of the vehicle is distinguished by avoiding the use of rare-earth metals in the production.

EMILIA in the practical test

In the demonstration phase the logistic concepts, the smart routing methods and the optimized electric vehicles are tested for their use on selected delivery routes in Vienna and Upper Austria at the logistic partners DPD, REWE and Schachinger.

http://www.emilia-project.at

Special Focus: GIS and Geoinformation

12 September, 16:30 – 18:00, Auditorium 4

The special session GIS/Geoinformation at CORP will provide a platform to discuss technical possibilities of developing technologies in connection with new observation technologies and Web 2.0. Such analyses can provide valuable information on societal trends and be used as input for planning processes and guide accompanying measures. Also discussion on ethical questions connected to these technologies are encouraged.

Special Focus: Auswirkungen des automatisierten Fahrens auf den Raum und die Raumplanung

13. September, 09.00 – 12.15, Auditorium 1

Nahezu täglich wird in Fach- und allgemeinen Medien über neue Entwicklungen automatisierten Fahrens berichtet – über nahezu autonom gefahrene Kilometer auf dazu vorgesehenen Autobahnabschnitten, Uber-Taxis in Singapur, elektronisch gekoppelte Lkws (platooning), Drohnen, um Waren an Endnutzende auszuliefern, fahrerlose Kleinbusse, die bereits probeweise in einzelnen Städten unterwegs sind und fahrerlosen Traktoren, welche die Feldarbeit verrichten.

Euphorie oder Skepsis?
Glaubt man Herstellern von Sensoren, Zulieferern und Unternehmen des IuK-Bereiches, ist es nur eine Frage weniger Jahre, bis vollautomatisierte Fahrzeuge auf unseren Straßen unterwegs sind. Von rechtlicher und ethischer Seite ist eher von „nicht vor 2050“ die Rede.

Dynamische, aber (noch) einseitige Forschung
Letztlich auch aufgrund der Forschungsinitiative des Bundesministeriums für Verkehr, Innovation und Technologie ist automatisiertes Fahren Gegenstand einer zunehmenden Zahl an Forschungsprojekten. Schaut man sich diese jedoch genauer an, geht es dort in erster Linie darum, wie unterschiedliche Sensoren der Fahrzeuge zusam¬menwirken und wie eine rasche und stabile Rechnerleistung in Echtzeit sichergestellt werden kann. In zweiter Linie geht es um die Vernetzung der Fahrzeuge, um Informationen über den Zustand auf den Straßen auszutauschen (c2c) und um die Kommunikation nach außen (c2x). Drittens beginnen Forschungen und Expertisen, die sich mit Haftungs- und Ethikfragen auseinandersetzen.
Sehr viel weniger Aufmerksamkeit wird hingegen auf die Auswirkungen des automatisierten Fahrens gerichtet (vgl. Milakis et al. 2017): Welche Folgen hat das automatisierte Fahren für die Siedlungsstruktur, den öffentlichen Raum, die politische Steuerung, die Akzeptanz von Bürgerinnen und Bürgern, die Nachfrage nach Standorten von Unternehmen und Privathaushalten sowie für Geschäftsmodelle von (alten und neuen) Mobilitäts-Dienstleisterinnen und Mobilitäts-Dienstleistern? Damit ist letztlich die Frage verbunden, wie Verkehrs- und Raumplanung sowie Kommunal- und Regionalpolitik mit diesen Herausforderungen umgehen können und sollten.

Große Versprechungen und große Skepsis in der Bevölkerung
Das (voll)automatisierte Fahren wird mit einer Reihe von Hoffnungen verbunden: Es soll die Zahl der Unfälle und damit der Verletzten und Getöteten deutlich gesenkt werden. Es soll die Verkehrssteuerung erleichtern und effizienter gestalten, so dass die Kapazitäten ohne zusätzlichen Ausbau von Straßen erweitert werden können. Das wiederum verringert möglich Staus, was sich nicht nur volkswirtschaftlich und privat positiv auswirkt, sondern auch einen Beitrag zur Verringerung des Ressourcenverbrauchs leistet, weitere Kosten spart und schädliche Emissionen mindert. Schließlich gäbe es deutliche Komfort-Gewinne für die Nutzenden durch die fahrerlose Parkplatzsuche, den nahtlosen Tür-zu-Tür-Transport und letztlich die Tatsache, die Zeit des Fahrens anders nutzen zu können, als zu lenken.
Diesen verlockenden Versprechen steht jedoch eine große Skepsis der Bürgerinnen und Bürger gerade in den entwickelten (und autoproduzierenden) Ländern gegenüber (Fraedrich & Lenz 2015). Je nach Studie können sich ca. 60% der Befragten nicht vorstellen, ein vollautomatisiertes Auto zu fahren – zu groß sind die Vorbehalte gegenüber der Sicherheit des Straßenverkehrs und die Gefährdung durch Hacker-Angriffe im zunehmend vernetzten System, welche die Voraussetzung für ein vollautomatisiertes Fahren ist. Letztlich können sich viele Bürgerinnen und Bürger kaum vorstellen, einmal nicht mehr selbst zu fahren und sehen das „Gefahren werden“ kaum als Vorteil an.

Sensibilisierung für die Differenzierungen
Überwiegend wird sehr pauschal über das voll- resp. teilautomatisierte Fahren im Allgemeinen geschrieben und gesprochen, damit ist aber überwiegend der privat genutzte Pkw gemeint. Um die Auswirkungen der „fahrenden Roboter“ angemessen analysieren zu können, istjedoch eine Reihe von Differenzierungen notwendig:
1. In einem ersten Schritt ist zwischen bestimmten Anwendungen (‚use cases‘) zu unterscheiden. Handelt es sich um privat besessene oder „geteilte“ Fahrzeuge, sind sie Teil eines flexiblen Angebots des öffentlichen Verkehrs im Rahmen intermodaler Ketten oder sind es lediglich Transportgefäße für Gütertransporte im Rahmen von Logistikketten?
2. Wo finden die automatisierten Fahrten statt? Anwendungen auf abgegrenztem Gelände, auf entsprechend gesicherten Spuren der Autobahn, für die erste und letzte Meile haben andere Voraussetzungen und selbst im Straßenraum unterscheiden sich Anwendungen im ländlichen Raum deutlich von denen im komplexen Verkehr einer größeren Stadt.
3. Orte haben neben den Siedlungsstrukturen zumindest zwei weitere hier relevante Eigenschaften: zum einen die lokale Politik- und Planungskultur gegenüber technologischen Innovationen, ihre organisatorischen und finanziellen Bedingungen und Aktivitäten der Stakeholder und zum anderen die Offenheit/Skepsis seitens der Bürgerinnen und Bürger.
4. Wer wird welche Fahrzeuge nutzen und wer wird der Nutzung skeptisch gegenüberstehen? Das entscheidet auch über die Art der Nutzung, denn das automatisierte Fahren wird meist in engem Zusammenhang mit einer wachsenden Bereitschaft zum Teilen gesehen. Daraus werden sehr unterschiedliche Vermutungen über den Anteil an Fahrzeugen abgeleitet, die nicht mehr benötigt werden und deren Weglassen neue Spielräume für die Gestaltung des öffentlichen Raumes ermöglichen, die dann mit aktiver Mobilität und neuen Aufenthaltsqualitäten verbunden werden könnten.

Special Focus: Automated Mobility is Coming to my City!

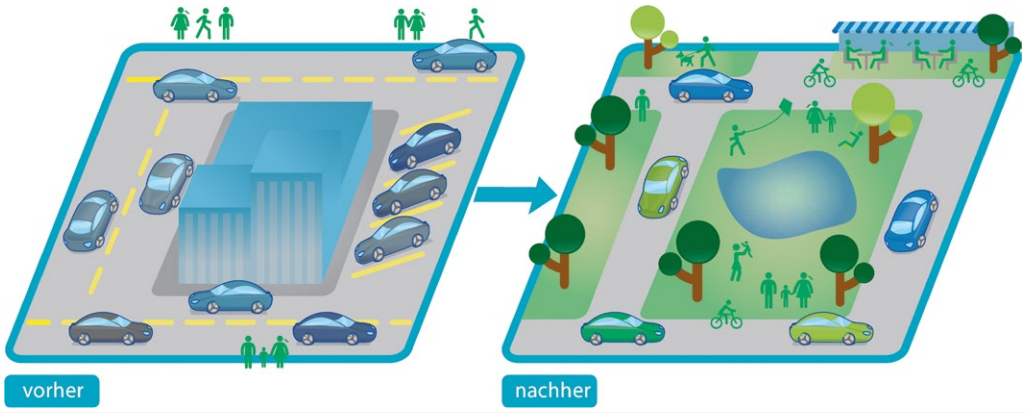
13 September, 14:00 – 16:00, Auditorium 1

Automated Mobility is coming to my city!
Chances, challenges and to-dos for city and transport planners

First vehicles and systems with automated driving functions are already on the streets – and many more to come! Some aspects and impacts we will like – and some not.

This session addresses persons who are responsible for urban planning, spatial development as well as transport planning and management within their cities. The approach of this session is rather interactive and aims for an open discussion on the chances, challenges and to-dos.

The **first part** gives an introduction to the topic of connected and automated mobility, which is manifold and involves passenger traffic as well as freight, individual traffic as well as public transport.



Mobility Makes Space" (Action Plan Automated Driving) © bmvit/Gestaltung beyond

There are a lot of forecasts and expectations regarding Automated Mobility, but the time frame for implementation is quite uncertain. To provide a solid basis for the discussion, 3 use cases are presented, focussing on different aspects of Automated Mobility within the city. Each of these scenarios is very likely to become a reality in rather near future and offers different chances and challenges to the planners and will trigger different to dos. Whenever these scenarios might start to enter the cities, the Automated Mobility will use the same road infrastructure as conventional traffic, being an additional challenge.

The **second part** consists of short presentations by guest speakers, showing their view on the topic and sharing their experience from actual or previous activities:

- Anna Mayerthaler, Wiener Lokalbahnen
- Mathias Mitteregger, TU Vienna Futurelab/Avenue 21
- Michael Nöst, IESTA/DIGITRANS

The **third and final part** of this session gives room for a discussion between the experts on the panel but also involving the audience. The intention is to collect different views on the Chances, Challenges and Tasks created by Automated Mobility in cities.

Main topics of this Special Focus Session:

- Automated driving in cities and agglomerations: specific scenarios and use cases
- Design of planning perspectives for "The Intended and the Unintended", "Functional Mobility Spaces" and "Operating Environments"
- Discussion and clarification on "Chances, Challenges and Tasks"

Special Focus: Enabling Environments for Urban Mobility and Planning

13 September, 16:30 – 18:00, Auditorium 1

Due to the dynamic development of cities and the surrounding regions, problems in the field of transport and mobility lead to growing challenges on all levels. At the same time urban and suburban regions promise new opportunities as "hot spots" for innovations. Since research projects face limited possibilities and frameworks, they seldom reach their full potentials in terms of putting their outputs into urban and societal practice. Therefore further activities are needed to

- Create spaces of opportunity for new approaches and an open climate for innovation
- Integrate user and key actors continuously in research activities
- Embed research better in political strategies and measures
- Identify and remove implementation barriers (early on) and actively shape necessary frameworks
- Develop effective integrative measures and cluster of projects
- Build up research infrastructure and harness it synergetically and
- Establish long term „learning spaces" for the impact of RTI within mobility systems

The concept of Living Labs addresses these challenges forming an enabling environment for "real-life testing and experimentation where users and producers co-create innovations in a trusted, open ecosystem that enables business and societal innovation". The core components of a Living Lab comprise:

- Active user participation: encourage end-users to influence innovation
- Co-creation: users and experts develop and design collaboratively
- Multi-stakeholder approach: integration of technology- and service providers, institutions, companies, end-users…
- Exploration: trends, altered user behaviour and new market opportunities are detected
- Experimentation or real-life setting: users experience products and services in real life settings
- Methods und evaluation: different methods are used to evaluate developed concepts, products and services

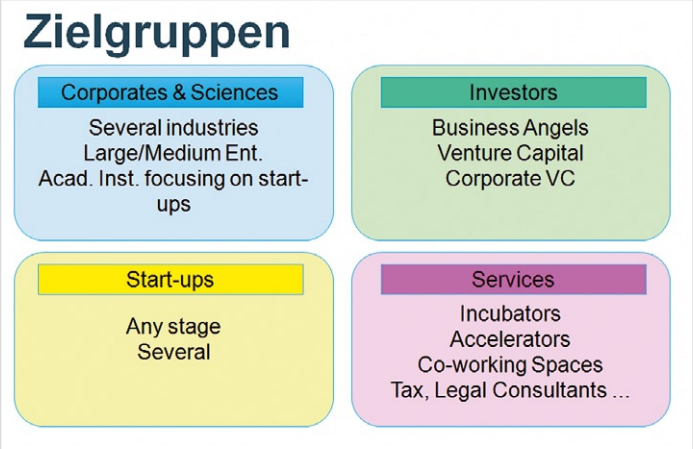
Living Labs, emerging from an economic context, often operate in a territorial context and were first used for urban research in Finland mid of the 2000s and also found their way into mobility research and development. There, Living Labs support overcoming the borders of traditional research and provide a space for interaction of public and private actors and for the development of products and services in co-design processes.

In this Special Topic Session the concept of "Livings Labs as Enabling Environments for Urban Mobility and Planning" is explained and discussed from different perspectives: the public (funding) sector, research and Living Lab management. Participants will get insight into the rationale, approaches and methods for living labs as well as into the challenges of running open innovation in an urban living lab.

- Walter Wasner from the Austrian Ministry for Transport, Innovation and Technology will present the initiative „Urban Mobility Labs" (UML) that, after an exploration phase, now supports the setup and running of five innovative and experimental environments (UML) across Austria for research, testing and implementation of solutions and measures in the field of urban mobility and planning. Further, he will show how current funding instruments support the embedding of research projects into the UMLs.
- The Technical University of Vienna will illustrate one methodological approach for Living Labs by explaining the "Transfer of Methods from Action Research for Urban Mobility Labs along the Example of Mobility Expeditions".
- Representatives of the City of Munich will contribute with presenting "Re-thinking Housing and Mobility – A European Living Lab for Sustainable Mobility in Munich".
- Representatives of the Austrian Urban Mobility Labs will share their experience in setting-up and running a Living Lab for urban mobility and what these labs offer to research and development projects.

Special Focus: Freisetzung des unlimitierten Innovationspotenzials

13. September, 11.00 – 12.15, Auditorium 3



Innovative Ergebnisse entstehen nur, wenn sich Menschen kreativ in passendem Umfeld entfalten können. ZZusammenarbeit erfordert nicht nur eine effektive Wechselwirkung unterschiedlicher Menschen in verschiedenen Rollenmodellen, sondern hängt auch wesentlich davon ab, wie diese Menschen zusammenfinden und auf welche Art und Weise sie Innovationen hervorbringen, Entscheidungen treffen, Risiken erkennen und managen. Die Studie ist dermaßen angelegt, dass erkannt wird, wie diese Rollen anzulegen sind, um unbegrenzte Potenziale freizusetzen.

Innovation erfolgt in einem ‚micro eco-system', in dem bestimmte Rahmenbedingungen herrschen. Jedes Unternehmen und jede Person, die hier arbeiten, nehmen bestimmte Positionen und Rollen ein. Der Erfolg hängt davon ab, ob ISPI-basiert die richtigen Personen an den richtigen Positionen sitzen (die richtigen Start-up-Founders mit den richtigen etablierten Unternehmen und deren Mitarbeiterinnen und Mitarbeitern mit den richtigen Rahmenbedingungen) und erfolgreich zusammenarbeiten. 10 ISPI-Lizenzen stehen als Beitrag zur REAL CORP 2017 kostenlos zur Verfügung, um diese These auch ISPI-basiert überprüft aufzustellen und in der Podiumsdiskussion zu hinterfragen.

Warp-Innovation: http://warp-innovation.com/
Patternshift Landing Page: https://www.patternshift.eu/
ISPI: http://www.innovating.com/innovation-strengths-preference-indicator/

Special Focus: Accessibility

13. September, 14.00 – 16.00, Auditorium 2

Accessibility nimmt in unserem Leben einen immer wichtigeren Stellenwert ein. Es geht nicht nur darum, ob ein bestimmter Ort mittels Rollstuhl erreichbar ist – Accessibility bedeutet mehr, nämlich das Zugänglichmachen von Dingen, Orten und Inhalten für Personen mit unterschiedlichen Arten von Beeinträchtigungen, zum Beispiel auditiv, visuell, physisch oder kognitiv. Der Accessibility-Block der REAL CORP 2017 beschäftigt sich mit aktuellen Entwicklungen von Accessibility in IKT und Planung.

Accessibility bedeutet nicht nur Befahrbarkeit mit Rollstühlen, sondern versteht sich als umfassender Ansatz zur Realisierung von Barrierefreiheit auf allen Sinnesebenen, sodass Menschen mit unterschiedlichen Beeinträchtigungen (zum Beispiel ältere Menschen) dieselben Aktivitäts- und Mobilitätsmöglichkeiten haben wie Personen ohne Beeinträchtigung.

Special Focus: Awareness Measurements for Walking, the Most Advanced Form of Mobility

13 September, 16:30 – 18:00, Auditorium 3

Walking around my urban quarter – the special focus session on pedestrian-friendly conditions, infrastructures and image change deals with the questions: Where does the shoe pinge regarding infrastructure? What do we need to stay on the streets? Benches for everyone. Walking needs good design, weather shields and especially plants, trees and good public transport. Where do current trends lead us to? Liveable street space, neighbourhood accessibility, active and mobile neighbours and attitudes. What do the elderly need in public space? How can the existing street space be transformed, and what about best practises in new urban quarters? How can we start to make things better: strategies, pedestrian checks ... anyway, we need a dialogue!


www.walk-space.at DI Schwab


www.walk-space.at DI Schwab

Special Focus: Evolution theory based Transportation Planning

14 September, 14:00 – 15:30, Auditorium 3, afterwards excursion (registration via MY.CORP)

For designing sustainable transport and land use systems the human behaviour and its influencing factors need to be known in depth. The Research Center for Transport Planning and Traffic Engineering has been working since decades in an interdisciplinary manner to research the causes of and preconditions for sustainable transport systems. Important fundaments of our research are evolution theory's "Schichtenmodell" developed by Prof. Rupert Riedl and its application to transport planning by Prof. Hermann Knoflacher.

In this workshop we will discuss the concept of sustainable transport planning, introduce the "Schichtenmodell" for the profound explanation of human behaviour and show the implications of the application of the "Schichtenmodell" for transport planning (structure influences behaviour). Furthermore, we will show worldwide examples of the unconscious application of it and introduce tools which we have developed based on this theoretical concept (MARS).

In the second part of the workshop we invite you to change your personal perspective and join us in a guided tour. Accompanied by planning experts from Vienna's public transport operator Wiener Linien (WL) and the Austrian federal railways (ÖBB) we will experience the public transport system in Vienna between Karlsplatz (WL) and Wien Hauptbahnhof (ÖBB).

CONFERENCE TIMELINE

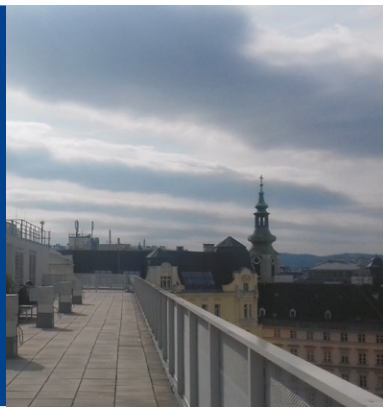
Monday, 11 September 2017

18:00 – 20:00

Welcome Reception and Ice Breaking
Location: Campus Gusshaus (conference venue), rooftop

Welcome Address:
Manfred Schrenk, Conference Director
Representative of Vienna University of Technology

Snacks, drinks and networking
Limited capacity, participants are asked to confirm attendance on MY.CORP.



Tuesday, 12 September 2017

09:30 – 10:30

Come Together, Registration
Location: Campus Gusshaus, ground floor (conference venue)

10:30 – 13:00

Opening and Keynote Speeches

Welcoming Words and Introduction:

Manfred Schrenk, Conference Director
Gerhard Navratil, Organising Partner Vienna University of Technology
Walter Wasner, Federal Ministry of Transport, Innovation and Technology
Martin Russ, CEO AustriaTech
Heimo Aichmaier, CEO Austrian Mobile Power

Keynotes:

Smarter Cities
Ric Stephens, President ISOCARP – International Society of City and Regional Planners, The Hague, NL; Beaverton, USA

Interacting with Space and Spatial Data
Ioannis GIANNOPOULOS, ETH Zürich, Researcher and Lecturer; Zürich, CH

13:00 – 14:00 **Lunch Break**

14:00 – 16:00 **Presentations (Parallel Sessions)**

16:00 – 16:30 **Coffee Break**

16:30 – 18:00 **Presentations (Parallel Sessions)**

from 18:30 **Guided city tour and winery visit (registration via MY.CORP necessary)**

CONFERENCE TIMELINE

Wednesday, 13 September 2017

09:00 – 10:30	Presentations (Parallel Sessions)
10:30 – 11:00	Coffee Break
11:00 – 12:15	Presentations (Parallel Sessions)
12:15 – 12:45	Pre-Lunch Keynote
12:45 – 14:00	Lunch Break
14:00 – 16:00	Presentations (Parallel Sessions)
16:00 – 16:30	Coffee Break
16:30 – 18:00	Presentations (Parallel Sessions)
from 18:00	Evening Reception and Party at Forum Mozartplatz

Thursday, 14 September 2017

09:00 – 10:30	Presentations (Parallel Sessions)
10:30 – 11:00	Coffee Break
11:00 – 12:15	Presentations (Parallel Sessions)
12:15 – 12:45	Pre-Lunch Keynote
12:45 – 14:00	Lunch Break
14:00 – 15:30	Presentations (Parallel Sessions)
15:30 – 16:00	Summary, Closing Note, Final Discussion, Outlook, Farewell
afterwards	Informal Conclusion

REVIEWER TEAM AND PROGRAMME COMMITTEE

Al-Hokail, Abdulhakeem A.; Dr.	Urban Planner, Saudi Arabia	Dhahran, Saudi Arabia
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Garau, Chiara; Dr.	University of Cagliari, Faculty of Architecture	Cagliari, IT
Golubovic Matic, Darinka; MSc	Urban Planner	Tallinn, Estonia
Grimm-Pretner, Dagmar; Ass. Prof. Dipl.-Ing. Dr.	University of Natural Resources and Applied Life Sciences	Vienna, AT
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Jain, Bijendra K.; Arch. PhD	City of New Delhi, Delhi Development Authority	New Delhi, India
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Krause, Kai Uwe; DI Dr.	Freie und Hansestadt Hamburg, Geoinformation und Vermessung	Hamburg, DE
Murgante, Beniamino; Prof. Dr.	University of Basilicata	Potenza, IT
Navratil, Gerhard; Prof. Dr.	Vienna University of Technology, Department of Geodesy and Geoinformation	Vienna, AT
Netsch, Stefan; Dlpl.-Ing.	Fachhochschule Salzburg, Smart Buildings in Smart Cities	Salzburg, AT
Neuschmid, Julia; Mag.	IDC Austria	Vienna, AT
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Popovich, Vasiliy V.; Prof. Dr.	Russian Academy of Sciences, SPIIRAS, Head of OOGIS Laboratory	St. Peterburg, Russia
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Steinnocher, Klaus; Dr.	Austrian Insitute of Technology, Center for Energy	Vienna, AT
Stupar, Aleksandra; Prof. Dr.	University of Belgrade, Department of Urbanism	Belgrade, Serbia
Taha, Dina; Ass. Prof. Dr.	Alexandria University, Faculty of Engineering	Alexandria, Egypt
Vaništa Lazarević, Eva;	Atelier Eva Vanista Lazarevic	Belgrade, Serbia
Wasserburger, Wolfgang W.; Dipl.-Ing.	Vienna University of Technology, Department of Geodesy and Geoinformation	Vienna, AT
Wendt, Willi; Dipl.-Ing.	Fraunhofer-Institut für Arbeitswirtschaft und Organisation IAO	Stuttgart, DE
Yekani Fard, Seyed Ahmad Reza; Dr.	Islamic Azad University	Dubai, UAE
Zeile, Peter; Dr.-Ing.	Karlsruher Institute of Technology, Fachgebiet Stadtquartiersplanung	Karlsruhe, DE
Živković, Ljiljana; PhD, MBA	Spatial Planner	Belgrade, Serbia

Tuesday, 12 September 2017

Time	
09:30-10:30	**Registration, Come Together, Morning Coffee**
	Grand Hall
10:30-13:00	**Welcome by Representatives of Organisers and Partners**

Manfred SCHRENK
Conference Director, Chairman CORP – Competence Center of Urban and Regional Planning

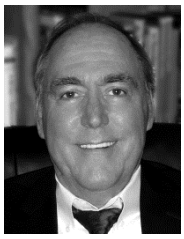
Gerhard NAVRATIL
Vienna University of Technology, Department for Geodesy and Geoinformation, Research Group Geoinformation

Walter WASNER
Federal Ministry of Transport, Innovation and Technology
Vienna, Austria

Martin RUSS
AustriaTech
Vienna, Austria

Heimo AICHMAIER
Austrian Mobile Power – The E-Mobility Alliance
Vienna, Austria

KEYNOTES



Smarter Cities
Ric STEPHENS
President ISOCARP – International Society of City and Regional Planners&
Stephens Planning and Design; Beaverton, USA

Interacting with Space and Spatial Data
Ioannis GIANNOPOULOS
ETH Zürich, Researcher and Lecturer; Zürich, CH

13:00-14:00	**Lunch**

Tuesday, 12 September 2017

Time	Auditorium 1	Auditorium 2
14:00-16:00	**E-Mobility and Spatial Planning** Moderation:Heimo AICHMAIER	**Miteinander findet Stadt** Moderation: Stefan FAZEKAS
	SPECIAL FOCUS austrian mobile power The e-mobility alliance **Photovoltaics Cadastre and Potential for E-Mobility** Markus POSCH STEPS; Innsbruck, AT **E-Mobility Solutions for Municipalities** Martin MAI Greenmove GmbH; Vienna, AT **Eco Region – Climate and Energy Model Region. Photovoltaics and E-Mobility as Regional Incentive** Andreas SCHNEEMANN Energiekompass GmbH; Stegersbach, AT **New Ways for Urban Logistics with Electric Cargo Bikes** Mario EIBL gleam technologies GmbH; Vienna, AT **afterwards discussion**	🏆 **CommunityHub: Potenzialanalyse für die gemeinschaftliche Nutzung innerstädtischer Logistikflächen** Alessandra ANGELINI*, Georg HAUGER*, Andreas BREINBAUER**, Sandra EITLER**, Bernhard ENNSER**, Reinhold SCHODL**, Johannes BRAITH*** * Vienna University of Technology, Department of Spatial Planning, Centre of Transportation System Planning; Vienna, AT ** Fachhochschule des BFI Wien Gesellschaft m.b.H; Wien, AT *** StoreMe GmbH; Wien, AT 🏆 **Die Crowd-Community als Lieferant auf der letzten Meile?** Linda DÖRRZAPF*, Mathias MITTEREGGER**, Martin BERGER* * TU Wien, Verkehrssystemplanung; Wien, AT ** TU Wien, Future.Lab; Wien, AT 🏆 **Kombiniertes Carsharing und Ridesharing: eine gemeinschaftsbasierte Mobilitätslösung für den ländlichen Raum?** Fabian DORNER*, Martin BERGER** * TU Wien, Department für Raumplanung, Fachbereich Verkehrssystemplanung; Wien, AT ** Wien, AT 🏆 **Stadt in Bewegung – „City Sport“ als Motor nachhaltiger sozio-kultureller Integration** Uschi DORAU*, Agnes FEIGL**, Hans-Jörg RADERBAUER*, Heike STADTSCHREIBER* * freiland Umweltconsulting ZT; Wien/Graz, AT ** agnes feigl landschaftsarchitektur; Tulln an der Donau, AT
16:00-16:30	**Coffee Break**	

TUESDAY
WEDNESDAY
THURSDAY

Tuesday, 12 September 2017

Auditorium 3	Auditorium 4	Time
Data Analysis, Surveillance and Monitoring from Above Chair: Marvin McCUTCHAN	**Real Time Mobility Data and Applications** Chair: Willi WENDT	14:00-16:00
Drone Applications for Spatial Planning Ric STEPHENS International Society of City and Regional Planners; Beaverton, USA 🏆 **SmartRegio – Employing Spatial Data to Provide Decision Support for SMEs and City Administrations** Martin MEMMEL*, Andreas ABECKER**, Sebastian BRETTHAUER***, Heinz KIRCHMANN*, Roman KORF****, Markus MAY**, Richard WACKER***** * DFKI GmbH, Smart Data & Knowledge Services; Kaiserslautern, DE ** Disy Informationssysteme GmbH; Karlsruhe, DE *** Goethe-Universität Frankfurt; Frankfurt, DE **** USU Software AG; Karlsruhe, DE ***** YellowMap AG; Karlsruhe, DE 🏆 **Examining the Applicability of Location Based Services to Determine the Movement Patterns of Commuters between Sandton and Park Station in Johannesburg City** Mangakane Retsebile MOSWANE, Trynos GUMBO University of Johannesburg; Doornfontein, Johannesburg, South Africa 🏆 **Using Different Data Sources for New Findings in Visualization of Highly Detailed Urban Data** Martin BRUNNHUBER*, Michael MAY*, Christoph TRAXLER*, Gerd HESINA*, Robert W. GLATZL**, Heiner KONTRUS** * VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH; Vienna, AT ** Dibit Messtechnik GmbH; Innsbruck, AT **Panta Rhei – and the Polish NSDI Data also is in the Flow, but Where this Flow will Find its Way?** Robert LACH National Centre for Nuclear Research, Super Computing Centre; Otwock, Poland	🏆 **An Investigation of Information Communication and Dissemination Needs: Case of Gautrain Operations** Manyedi RAKABE, Walter MUSAKWA, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa 🏆 **Mobile Museum Guides Applications based on Knowledge Graphs** Dmitry ZAMULA, Dmitry MUROMTSEV, Nataly ZHUKOVA ITMO; Saint-Petersburg, Russia 🏆 **Urban Emotions and Realtime Planning Methods** Peter ZEILE Karlsruhe Institute of Technology, Urban and Landscape Design | STQP; Karlsruhe, DE 🏆 **Application of Web 2.0 Technologies for Integration of Land-use and Transportation System** Papiya Bandyopadhyay RAUT*, Sandeep Kumar RAUT** * School of Planning and Architecture, Physical Planning Department; New Delhi, India ** Town and Country Planning; New Delhi, India http://live.corp.at LIVE CONFERENCE GUIDE	
		16:00-16:30

TUESDAY
WEDNESDAY
THURSDAY

Tuesday, 12 September 2017

Time	Auditorium 1	Auditorium 2
16:30-18:00	**Smart Country, Global Village** Franz NAHRADA	**Ökologische Aspekte der Mobilität** Moderation: Wolfgang W. WASSERBURGER
	The "Globally Integrated Village Environment" (GIVE) projekt aims to understand and participate in the creation of an augmented human habitat that is characterized by smaller and more sustainable settlements, embedded in their landscapes and in informational/telematic networks of support. It is our deepest conviction that we need profound social and economical changes to prevent the ecological and structural breakdown of our current societies. In this framework we think of information technology as a powerful means of strengthening local capacity-building, not as a goal in itself. The goal of the GIVE Project is the documentation and connection of the best approaches to connect information technology with ecological design of human habitat – to contribute to their fast dissemination and augmentation. On this background we see communal and local networking as intrinsicly connected to a global support structure. In this structure, "Global Villages" and "Global Cities" may play different roles, but only together they will form the network that we consider as the most reliable backbone for socieoeconomic development in the 21st century. **POSTPONED TO REAL CORP 2018**	🏆 **Reaktionen einer angewandten und planungsorientierten Stadtklimatologie auf die rezenten Veränderungen urbaner Strukturen** Sascha HENNINGER, Martin FABISCH, Maral MOGHADDAM Technische Universität Kaiserslautern, Physische Geographie und Fachdidaktik; Kaiserslautern, DE 🏆 **GoGreen, der Einfluss von Begrünung auf eine aktive Mobilität** Mira KIRCHNER*, Karin AUSSERER** * MK Landschaftsarchitektur; Wien, AT ** Factum OG; Wien, AT 🏆 **Urbane Photovoltaikproduktion auf österreichischen Großparkplätzen: ein Beitrag zu nachhaltiger Energieversorgung, zukünftiger Elektromobilität und Bewusstseinsbildung bei Entscheidungsträgern/-innen** Boris SALAK*, Christoph GRAF**, Andreas MUHAR** * Swiss Federal Research Institute WSL, Birmensdorf, CH& University of Natural Resources and Life Sciences, Vienna, AT ** University for Natural Resources and Life Sciences, Vienna, AT 🏆 **e-Quartier Hamburg – Möglichkeiten von Elektromobilität als fester Bestandteil von Wohnquartieren** Thomas PRILL, Johanna FINK, Daniel KULUS, Wolfgang DICKHAUT HafenCity-Universität Hamburg, Umweltgerechte Stadt- und Infrastrukturplanung; Hamburg, DE
from 18:30	**Guided city tour with vintage tram and winery visit (registration via MY.CORP necessary)**	

Tuesday, 12 September 2017

Auditorium 3	Auditorium 4	Time
Participation for Sustainable Mobility Chair: Linda DÖRRZAPF	**GIS and Geoinformation** Chair:Gerhard NAVRATIL	16:30-18:00
Development of a Communication Tool to Frame a Vision for Changing Neighbourhoods Markus KARNUTSCH, Stefan NETSCH, Thomas REITER Salzburg University of Applied Sciences, Smart Building and Smart City; Puch, AT **Social Media as A Source of Self Organizing City: Bridging the Gap Between Policy Making and Public Act** Simge OZDAL OKTAY Cankaya University, City and Regional Planning; Ankara, Turkey **Korneuburg's way2smart – Mobility Concept, Energy Platform and Social Interaction** Momir TABAKOVIC*, Simon SCHNEIDER*, Pierre LAURENT*, Thomas ZELGER*, Elisabeth KERSCHBAUM**, Hildegrund FIGL** * FH Technikum Wien; Wien, AT ** IBO – Österreichisches Institut für Baubiologie und Bauökologie; Wien, AT **Public Choices and Decision-Making Processes: a Case Study on Sustainable Mobility** Luigi MUNDULA*, Sabrina AUCI** * University of Cagliari, Department of Civil and Environmental Engineering and Architecture; Cagliari, Italy ** University of Palermo , Department of Political Science and International Relations; Palermo, Italy	**SPECIAL FOCUS** **Human's Digital Space – What about the Metrics?** Vasily POPOVICH*, Manfred SCHRENK** * SPIIRAS HTR&DO Ltd., Member of the Board of Directors; St. Petersburg, RF ** CORP; Wien, AT **Land-use Sustainability Analysis Toolbox for Sustainability Assessment of the Urban Areas' Land-Use Structure** Niveen GHATTAS Technical University of Kaiserslautern, Spatial and Environmental Planning Faculty, International Planning Systems Dept.; Kaiserslautern, DE **Experience from Data Collection with Drones for GIS and Land Survey** Lukas UNGER, Philipp KNOPF, David MONETTI Skyability GmbH; Siegendorf, AT **Ecological Monitoring Network for the Gulf of Finland** Oksana SMIRNOVA*, Tatiana POPOVICH** * St. Petersburg Institute for Informatics and Automation - Hi Tech Research and Development Office Ltd; St.Petersburg, Russia ** SPIIRAS - Hi Tech Research and Development Office Ltd; St.Petersburg, Russia	
		from 18:30

Wednesday, 13 September 2017

Time	Auditorium 1	Auditorium 2
09:00-10:30	**European Cities and Automated Vehicles I** Chair: Jens S. DANGSCHAT	**Stadt in Bewegung und Wandel** Moderation: Christian EIZINGER
	SPECIAL FOCUS **Presentations of selected aspects of the project AVENUE21 and short discussions** **Avenue 21 Project Agenda** Mathias MITTEREGGER Technische Universität Wien, Institut für Architekturwissenschaften; Wien, AT **The Rise of AVs: Issues, Questions and Assumptions** Ian BANERJEE Technische Universität Wien, Fakultät für Architektur und Raumplanung; Wien, AT **The Diffusion of Innovations andSpatial Effects: Lessons to learn from Historical Precedents** Mathias MITTEREGGER Technische Universität Wien, Institut für Architekturwissenschaften; Wien, AT **Political Imaginaries and Narrative Policy Analysis of AVs** Andrea STICKLER Technische Universität Wien, Department für Raumplanung, Fachbereich Soziologie; Wien, AT **Transport – Accessibility – Settlement Structures: How AV is Changing the Relations** Aggelos SOTEROPOULOS Technische Universität Wien, Department für Raumplanung, Fachbereich für Verkehrssystemplanung; Wien, AT	🏆 **Landwirtschaftliche Konversion – Chancen der Umnutzung ehemaliger Landwirtschaftsbetriebe an den Siedlungsrändern** Rebecca KÖRNIG-PICH ETH Zürich, IRL; Speyer, DE **Fit für den Klimawandel: Wie passt sich Wien an?** Marianne STEINER Stadt Wien, Magistratsdirektion Klimaschutzkoordination; Wien, AT **Mobilität und U-Bahn-Umsteigeknoten der Stadt: Transferzentrum Yenikapı in Istanbul** Bilge ALPAY, Pelin GÖKGÜR Mimar-Sinan-Universität der schönen Künste, Stadt und Regionalplanung; Fındıklı, İstanbul, Türkei **Energetische Potenziale und klimatische Grenzen der Nachverdichtung städtischer Quartiere am Beispiel der Region FrankfurtRheinMain** Dagmar EVERDING Hochschule Nordhausen; Nordhausen, DE *What's coming up next?* *Our live conference guide* *http://live.corp.at* *has the answer*
10:30-11:00	**Coffee Break**	

Wednesday, 13 September 2017

Auditorium 3	Auditorium 4	Time
Smart Country Chair: Pietro ELISEI	**Planning and Administration for a Better Future** Chair: Judith RYSER	09:00-10:30
SPECIAL FOCUS **Measurement of Territorial Capital in Danube Region Rural Areas: to Make Territories Smart through the Increase of their Attractiveness** Pietro ELISEI, Sabina LEOPA Urbasofia; Bucharest, Romania **An Innovative, Collaborative and Systemic Approach to Effective Regeneration and Adaptive Reuse Strategies in Historic City Centres** Miruna DRĂGHIA, Pietro ELISEI Urbasofia; Bucharest, Romania **The Systemic Approach to Interoperable Standards: A Linchpin for the Future of Smart Cities and Communities** Sabina LEOPA*, Pietro ELISEI*, Dorota KAMROWSKA-ZAŁUSKA** * Urbasofia; Bucharest, Romania ** Gdańsk University of Technology, Faculty of Architecture; Gdańsk, Poland	🏆 **"Attractive Danube" – Improving Capacities for Enhancing Territorial Attractiveness of the Danube Region** Ljiljana ŽIVKOVIĆ*, Blaž BARBORIČ** * PhD, MBA, Spatial Planner; Belgrade, Serbia ** Geodetic Institute of Slovenia; Ljubljana, Slovenia 🏆 **Land Administration to Decrease the Poverty?** Gerhard NAVRATIL*, Reinfried MANSBERGER** * TU Vienna, Geodesy and Geoinformation; Vienna, AT ** BOKU, Institut für Vermessung, Fernerkundung und Landinformation; Wien, AT **Smart City Attitudes of Hungarian Cities** Mihály LADOS Centre for Economic and Regional Studies of the Hungarian Academy of Sciences, West Hungarian Research Department of Institute for Regional Studies; Győr, Hungary 🏆 **Integrated TOD and Urban Land Use Planning: Evidence from Iran, Kashan** Amirreza MAMDOOHI, Iman FARZIN, Hadi GHOLI Tarbiat Modares University, Civil and environmental engineering; Tehran, Iran	
		10:30-11:00

Wednesday, 13 September 2017

TUESDAY | WEDNESDAY | THURSDAY

Time	Auditorium 1	Auditorium 2
11:00-12:15	**European Cities and Automated Vehicles II** Chair: Jens S. DANGSCHAT	**Werkzeuge für die kommunale Planung** Moderation: Klaus STEINNOCHER
	SPECIAL FOCUS **Broad Discussion about the Core Challenges for Spatial Planning and Local Politics** **Basic Questions and Grand Challenges of AV for Spatial Planning and Local Policies (input for discussion)** Martin BERGER*, Jens S. DANGSCHAT** * Technische Universität Wien, Department für Raumplanung, Fachbereich für Verkehrssystemplanung; Wien, AT ** Technische Universität Wien, Department für Raumplanung, Fachbereich Soziologie; Wien, AT **afterwards discussion (English/German)**	🏆 **Integrale Planung: Merkmale zur Identifizierung und Initialisierung in der kommunalen Praxis** Karsten REXROTH, Petra VON BOTH Karlsruher Institut für Technologie (KIT), Fachgebiet Building Lifecycle Management; Karlsruhe, DE 🏆 **Räumliche und zeitliche Visualisierung als Smart-City-Planungswerkzeug** Julia FORSTER*, Paul PFAFFENBICHLER**, Thomas KAUFMANN*** * TU Wien; Department für Raumplanung, Arbeitsbereich für räumliche Simulation und Modellbildung; Wien, AT ** TU Wien, Institut für Verkehrswissenschaften; Wien, AT *** TU Wien, Institut für Energiesysteme und Elektrische Antriebe; Wien, AT 🏆 **Räumliche Modellierung der Tagesbevölkerung in Wien** Rudolf CHURANEK*, Klaus STEINNOCHER** * Universität Wien; Wien, AT ** AIT Austrian Insititute of Technology, Center for Energy; Wien, AT
	Auditorium 2	
12:15-12:45	 Pre-Lunch Keynote Speech **Mit Daten Politik machen – Städte in Bewegung** **Franz-Reinhard HABBEL** Deutscher Städte- und Gemeindebund; Berlin, DE	
12:45-14:00	**Lunch Break**	

Wednesday, 13 September 2017

Auditorium 3	Auditorium 4	Time
Freisetzung des unlimitierten Innovationspotenzials Moderation: Stefan FAZEKAS	**Different Forms of Public Transport** Chair: Marvin McCUTCHAN	11:00-12:15
SPECIAL FOCUS **Eine Studie – initiiert durch Warp-Innovation und durchgeführt gemeinsam mit Studienpartnern wie auf http://www.patternshift.eu ersichtlich –, basierend auf zwölf Themenbereichen, um das unlimitierte Innovationspotenzial freizusetzen** **Einstiegsvortrag:** **Warp-Innovation Study for Justifying Boost Space Services** Gertrude NEUBAUER, Stefan FAZEKAS WARP Innovation; Vienna, AT **anschließend Podiumsdiskussion unter Einbeziehung von Publikumsfragen** Am Podium: Linda DÖRRZAPF (TU Wien), Heinz DÖRR (arp-planning. consulting.research), Simon SCHNEIDER (FH Technikum Wien), Bernd HALLIER (Gründer Retail Institute, Hamburg), Gerhard HARTMANN (Magistrat Wien)	**Is Bike Sharing Competitor, Relief or Supplement to Public Transport?** Ulrich LETH*, Tadej BREZINA*, Bertram LUDWIG**, Christina BIRETT** * Vienna University of Technology, Research Center of Transport Planning and Traffic Engineering, Institute of Transportation; Vienna, AT ** New Urban Mobility Vienna; Vienna, AT 🏆 **Transport Disadvantage and Extracurricular Activities: the Example of Secondary School Students of the City of Zagreb** Slaven GASPAROVIC University of Zagreb, Faculty of Science, Department of Geography; Zagreb, Croatia **Private or Public Transport? The Determinants of Travel Behaviour in Post-industrial City – the Case of Łódź** Szymon WÓJCIK University of Łódź, Department of Econometrics; Łódź, Poland	
Auditorium 3		
  Pre-Lunch Keynote Speech **The Dynamism of Underground Space** **Antonia CORNARO** Amberg Engineering & ITACUS (ITA Committee on Underground Space); Zürich, CH **Han ADMIRAAL** Enprodes Management & ITACUS (ITA Committee on Underground Space); Rotterdam,NL		12:15-12:45
		12:45-14:00

Wednesday, 13 September 2017

Time	Auditorium 1	Auditorium 2
14:00-16:00	**Automated Mobility is Coming to my City** Chaired by AUSTRIATECH	**Accessibility für ältere Menschen und Personen mit Beeinträchtigungen** Moderation: Wolfgang W. WASSERBURGER
	SPECIAL FOCUS	SPECIAL FOCUS
	Part I **Introduction to the Topic of Connected and Automated Mobility** **Part II** **Short Presentations by Guest Speakers, showing their View on the Topic and Sharing their Experience from Actual or Previous Activities** Anna MAYERTHALER, Wiener Lokalbahnen Mathias MITTEREGGER, TU Vienna Futurelab/Avenue 21 Michael NÖST, IESTA/DIGITRANS **Part III** **Discussion between the Experts on the Panel but also Involving the Audience**	**Einführung und Überblick zum Thema Accessibility** Wolfgang W. WASSERBURGER AccessibleMAP Association; Vienna, AT 🏆 **Wenn die Orientierung versagt – unterwegs mit Menschen mit Demenz** Bente KNOLL*, Birgit HOFLEITNER**, Anja KREMER**, Elisabeth REITINGER***, Barbara PICHLER***, Barbara EGGER*** * Büro für nachhaltige Kompetenz B-NK GmbH, Technische Universität Wien, Fachhochschule Technikum Wien; Wien, AT ** Büro für nachhaltige Kompetenz B-NK GmbH; Wien, AT *** IFF – Institut für Palliative Care und Organisationsethik, Universität Klagenfurt, Wien, Graz; Wien, AT 🏆**Wie kann aktive Mobilität inder Generation 50+ gestärkt werden? Ein evidenzbasiertes Handbuch zumAufbau von Sturzpräventionsprogrammen in Gemeinden** Anita EICHHORN, Eva AIGNER-BREUSS KFV (Austrian Road Safety Board), Research & Knowledge Management; Vienna, AT **WAY-KEY – Mobilitätsassistent für Menschen mit Demenz** Clemens BEYER, Wolfgang W. WASSERBURGER AccessibleMAP Association; Vienna, AT
16:00 16:30	**Coffee Break**	

Wednesday, 13 September 2017

Auditorium 3	Auditorium 4	Time
Reflective Thoughts on Mobility and Planning Chair: Uschi DORAU	**Environmentally Friendly Forms of Mobility** Chair: Christian EIZINGER	14:00-16:00
Revitalisation of the Silk Road Bernd HALLIER Founder of EHI Retail Institute, Founder of the Almaty Eurasian University Complex; Hamburg, DE **"Ugly Truth" about Social Participation on the Example of First Woonerf in Poland** Krzysztof WIBIG Politechnika Łódzka, Institute of Architecture and Urban Planning; Łódź, Poland **Panta Rhei? What about When Movements Come to a Halt? Railway Stations as Engines of Property-Led Regeneration in London** Judith RYSER CityScope Europe; London, UK http:/live.corp.at LIVE CONFERENCE GUIDE	**Introducing Additional Low Emission Mobility Offers in a Well Connected Area: Challenges and Opportunities** Karin MARKVICA, Alexandra MILLONIG, Christian RUDLOFF AIT Austrian Institute of Technology GmbH, Center for Mobility Systems; Vienna, AT **Sustainable Urban Mobility: Assessing Different Neighbourhood Models in Greater Cairo Region, Egypt** Islam GHONIMI, Hassan EL ZAMLY Benha University, Shoubra Faculty of Engineering; Cairo, Egypt **Alternate Pedestrian Routes in the Cities** László JÓNA HAS Centre for Economic and Regional Studies Institute for Regional Studies, West-Hungarian Research Department; Győr, Hungary **Effects of Central or Decentralized Charging Stations for Electric Buses on Route Planning and Travel Time in Public Transport – A Case Study of Aachen, Germany** Carina BÖHNEN, Conny LOUEN RWTH Aachen University, Institute of Urban and Transport Planning; Aachen, DE **Public Spaces Planning Policies and the Effects on Pedestrian Mobility in a Metropolis City; the Case Study of Tehran** Ehsan RANJBAR*, Najmeh MOTALAEI** * Tarbiat Modares University, Urban Planning; Tehran, Iran ** University of Applied Science; Tehran, Iran	
		16:00-16:30

Wednesday, 13 September 2017

TUESDAY | WEDNESDAY | THURSDAY

Time	Auditorium 1	Auditorium 2
16:30-18:00	**Enabling Environments for Urban Mobility and Planning** Chair:Walter WASNER, Doris WIEDERWALD	**Daten und die Stadt I** Moderation: Wolfgang W. WASSERBURGER
	SPECIAL FOCUS Walter Wasner from the Austrian Ministry for Transport, Innovation and Technology will present the initiative **"Urban Mobility Labs" (UML)** that, after an exploration phase, now supports the setup and running of five innovative and experimental environments (UML) across Austria for research, testing and implementation of solutions and measures in the field of urban mobility and planning. Further, he will show how current funding instruments support the embedding of research projects into the UMLs. The Technical University of Vienna will illustrate one methodological approach for Living Labs by explaining the 🏆 **"Transfer of Methods from Action Research for Urban Mobility Labs along the Example of Mobility Expeditions"**. Christoph KIRCHBERGER*, Martin BERGER*, Sibylla ZECH**, Petra HIRSCHLER** * Technische Universität Wien, Department für Raumplanung, Fachbereich für Verkehrssystemplanung; Wien, AT ** Technische Universität Wien, Department für Raumplanung, Fachbereich für Regionalplanung und Regionalentwicklung; Wien, AT Representatives of the City of Munich will contribute with presenting **"Re-thinking Housing and Mobility – A European Living Lab for Sustainable Mobility in Munich"**. Matthias MÜCK*, Christoph HELF**, Jessica LE BRIS*** * Landeshauptstadt München; München, DE ** Landeshauptstadt München, Verkehrs- und Mobilitätsmanagement; München, DE *** Green City Projekt; München, DE Representatives of the Austrian Urban Mobility Labs will share their experience in **Setting Up and Running a Living Lab for Urban Mobility** and what these labs offer to research and development projects.	🏆 **Datenplattform Smarter Together** Gerhard HARTMANN Magistrat der Stadt Wien, Magistratsabteilung 14/ Strategiebüro; Wien, AT 🏆 **Change Detection im städtischen Umfeld von Graz/Österreich mit sehr hoch auflösenden UltraCam-Daten** Wolfgang SULZER*, Andreas SALENTINIG*, Michael MOLLATZ*, Florian PFEILER*, Winfried GANSTER** * University of Graz, Geography and Regional Science; Graz, AT ** Stadtvermessungsamt der Stadt Graz; Graz, AT **CentropeMAP – interaktive grenzüberschreitende Datenanalyse** Clemens BEYER, Manfred SCHRENK CORP Consulting Research Projects; Vienna, AT 
from 18:00	**CORP Evening Event at Forum Mozartplatz (200 m away from conference venue)**	

Wednesday, 13 September 2017

Auditorium 3	Auditorium 4	Time
Awareness Measurements for Walking, the Most Advanced Form of Mobility Chair:Dieter SCHWAB	**Effects of Migration and Integration** Chair: Gerhard NAVRATIL	16:30-18:00
SPECIAL FOCUS **Walking Infrastructure and Awareness Measurements for the Most Advanced Form of Mobility** Dieter SCHWAB Walk-Space.at; Wien, AT 🏆 **Active Mobility – the New Health Trend in Smart Cities, or even More?** Sandra WEGENER*, Elisabeth RASER*, Mailin GAUPP-BERGHAUSEN*, Esther ANAYA**, Audrey DE NAZELLE**, Ulf ERIKSSON***, Regine GERIKE***, Ilonka HORVATH***, Francesco IACOROSSI***, Luc INT PANIS***, Sonja KAHLMEIER***, Mark NIEUWENHUIJSEN***, Natalie MUELLER***, David ROJAS RUEDA***, Julian SANCHEZ***, Carsten ROTHBALLER*** * Universität für Bodenkultur Wien, Institut für Verkehrswesen; Vienna, AT ** Imperial College of Science, Technology and Medicine; London, UK *** see list of authors **Accessibility in Urban Neighbourhoods – Subjective Perception and Objective Possibilities** Anna-Lena VAN DER VLUGT, Dirk WITTOWSKY ILS – Institut für Landes- und Stadtentwicklungsforschung gGmbH; Dortmund, DE	🏆 **From Migration to Urban Sprawl in Flanders (Belgium)** Isabelle LORIS, Ann PISMAN Departement Omgeving, Vlaams Planbureau voor Omgeving; Brussel, Belgium 🏆 **Smart Village as an Instrument to Curb the Rural to Urban Migration in India** Piyali BANDYOPADHYAY Central Pollution Control Board, Environmental; New Delhi, India **The Need of the Establishment of a Federal German Sacral Building Authority for Islamic Faith Affairs – Roadmap and Capacity Building of an Institutional Framework for Religious Communities, State Bodies and Citizens in Europe** Asad MAHRAD Independent Research; Berlin, DE **Coproducing Cities and Territories on the Move** Valeria MONNO*, Silvia SERRELI** * Politecnico di Bari; Bari, Italy ** Università di Sassari; Alghero, Italy	
		from 18:00

Thursday, 14 September 2017

Time		Auditorium 2
09:00-10:30	REAL CORP	**Daten und die Stadt II** Moderation: Gerhard NAVRATIL
	REAL CORP CONFERENCE PROCEEDINGS • **ONLINE (free of charge, all papers since first CORP in 1996, full text search): http://www.corp.at** • PRINT ON DEMAND (order via our website www.corp.at) • CD-ROM (part of your conference package) • OPEN ACCESS REPOSITORY: http://repository.corp.at  **Conference proceedings, programm folders, conference photos, video trailers, ...** **Visit the REAL CORP online archive at http://archive.corp.at** REAL CORP 2017 participants came from 45 countries all over the world.  For the 15th time in REAL CORP history Vienna is host city of a REAL CORP conference.	**Augmented Reality in der Stadt: Neue Potenziale durch die Entwicklung einer Lichtmarker-Technologie** Isabelle DOLL, Karsten REXROTH, Petra VON BOTH Karlsruher Institut für Technologie – Fakultät für Architektur, Fachgebiet Building Lifecycle Management; Karlsruhe, DE **Smart City Supply – Verkehrstechnologien, Güterversorgung und Stadtentwicklung auf dem Weg ins 4.0-Zeitalter** Heinz DÖRR*, Viktoria MARSCH**, Yvonne TOIFL*** * arp-planning.consulting.research, Raum- und Verkehrsplanung; Wien, AT ** arp-planning.consulting.research, Güterverkehrsforschung; Wien, AT *** Wien, AT **Photovoltaik für Elektromobilität – eine GIS-gestützte Analyse zur Identifizierung und Bewertung des Photovoltaikpotenzials auf städtischen Freiflächen zur Versorgung von Ladeinfrastrukturen für Elektrofahrzeuge** Ernst GEBETSROITHER-GERINGER, Romana STOLLNBERGER, Mario KÖSTL AIT – Austrian Institute of Technology, Center for Energy; Vienna, AT
10:30-11:00	**Coffee Break**	

Thursday, 14 September 2017

Auditorium 3	Auditorium 4	Time
Choice for Sustainability Chair: Judith RYSER	**Case Studies on Mobility I** Chair: Marvin McCUTCHAN	09:00-10:30
Determinants of Transport Mode Choice in the Austrian Province of Vorarlberg Seyedeh R. ASHRAFI, Hans-Martin NEUMANN AIT Austrian Institute of Technology, Center for Energy; Vienna, AT **Moving People – Changing Cities: Cairo's Urban Mobility in Question** Heba ELDEEN Misr International University, Department of Architecture; Cairo, Egypt **A Mode Choice Model for the Elderly: Case of Mashhad City, Iran** Amirreza MAMDOOHI, Fatemeh NAQAVI Tarbiat Modares University, Civil and environmental engineering; Tehran, Iran **Influence of Air Traffic on Economic Development of Bosnia and Herzegovina and Business Environment of the European Air Traffic** Rahman NURKOVIĆ University of Sarajevo, Faculty of Science, Geography; Sarajevo, Bosnia and Herzegovina	**Spatial Complexity: Identifying Critical Zones in the Egyptian Underground Reciprocal Stations** Eman ABOU BAKR*, Noheir ELGENDY** * New Cairo Academy, Department of Architecture; Cairo, Egypt ** Cairo University, Department of Architecture; Cairo, Egypt **Assessment of Environmental Pollution Load of Transit Corridor in India** Sanhita BANDYOPADHYAY Unihorn India Pvt Ltd, Antea Group, Environment & Social; Gurgaon, India **Passenger Transport and Cities in India: Variations in Travel Behaviour with Patterns of Urbanization** Julia JANKE*, Narasimha RAO** * Vienna University of Technology, Department of Spatial Planning, Centre of Public Finance and Infrastructure Policy; Vienna, AT ** International Institute for Applied Systems Analysis; Laxenburg, AT **Impacts of Sustainable Transportation on City Tourism: a case of Chatuchak Market in Thailand** Amphai WEJWITHAN, Hermann KNOFLACHER, Harald FREY Vienna University of Technology, Institute of Transportation, Research Center of Transport Planning and Traffic Engineering; Vienna, AT	
		10:30-11:00

Thursday, 14 September 2017

Time		Auditorium 2
11:00-12:15	ISOCARP JOINT CONFERENCE SMART Communities October 24-27 Oregon Convention Center PORTLAND, OREGON USA 2017	**Urban Transformation Processes** Chair: Ljiljana ŽIVKOVIĆ
	ISOCARP and the Oregon Chapter of the American Planning Association (OAPA) are partnering in 2017 for a Joint International Conference/53rd ISOCARP Congress Portland, Oregon, USA, from 24 to 27 October 2017. This will be an outstanding opportunity for leading professionals from the private, public and academic sectors from all over the world to discuss some of the most recent and pressing planning and decision-making issues. This year's topic —Smart Communities—is relevant for rural towns and major international centers. Together, we will explore how technology is changing our communities, how we can harness the benefits but also address the challenges of rapid change. This partnership between ISOCARP and OAPA occurs at a pivotal time as technology, health, transportation and politics are rapidly shifting how we think even at the local and international level. Technology changes everything. From new innovations in communications and driverless technologies to small communities connected to the world through fiber optic, technology shapes what we do, whether we live and work in a small town or megacity. But how does that affect our responses as community and regional planners to issues such as population growth and demographic shifts, housing, energy, transportation and food production? More importantly, what role do both small communities and large cities play in connecting the dots when it comes to growing rural and urban areas in a thoughtful and community driven vision? **More info: http://isocarp.org/53rd-annual-congress/**	**Struggle for Change – Process of Urban Transformation of Koroska Street in Maribor** Kaja POGACAR Faculty of civil engineering, transportation engineering and architecture, Chair of architecture; Maribor, Slovenia **Transformation of Public Spaces and Changing Pattern of Mobility in a Historic City, Case Study: Isfahan, Iran** Zahra AZARM, Zohreh GHALANI, Ehsan RANJBAR Tarbiat Modares University, Art Faculty; Tehran, Iran **Can an Economic Activities Inventory Fill the Knowledge Gap about the Economic Sector in a Policy Making Process?** Federico GIARETTA*, Jan ZAMAN** * Architecture workroom brussels; Bruxelles, Italy ** Vlaamse Overheid, Ruimte Vlaanderen; Saint-Josse-ten-Noode, Belgium
	Auditorium 2	
12:15-12:45	 Pre-Lunch Keynote Speech **Panta Rhei – the Mobility Hyperloop in Modern Societies and Capitalism** **Claus SEIBT** Transforming Mobilities; Lörrach, DE	
12:45-14:00	**Lunch Break**	

Thursday, 14 September 2017

Auditorium 3	Auditorium 4	Time
Measures for Smart Urban Environments Chair: Uschi DORAU	**Case Studies on Mobility II** Chair: Tadej BREZINA	11:00-12:15
🏆 **On the Path towards Smart Mobility: the Journey of three Forerunner Cities Eindhoven, Manchester and Stavanger** Marielisa PADILLA, Sonja STÖFFLER Fraunhofer IAO; Stuttgart, DE 🏆 **Measuring Political Commitment in Statistical Models for Evidence-based Agenda Setting in Non-motorized Traffic** Roland HACKL*, Clemens RAFFLER*, Michael FRIESENECKER*, Hans KRAMAR**, Robert KALASEK**, Aggelos SOTEROPOULOS**, Susanne WOLF-EBERL***, Patrick POSCH***, Rupert TOMSCHY**** * tbw research GesmbH, mobility; Wien, AT ** TU Wien, Stadt- und Regionalforschung; Wien, AT *** Research & Data Competence; Wien, AT **** Herry Consult; Wien, AT **Airport Cities as New Places of Urbanity in the Contemporary Urban Networks? Opportunities and Weak Aspects in an European Comparative Perspective** Giulia FINI Politecnico di Milano, DAStU - Department of Architecture and Urban Studies; Milano, Italia	🏆 **Mobility for Valencia City Centre – a Case Study** Josep Lluís MIRALLES*, Jovy Zulay ORELLANA SARAGURO** * Universitat Politècnica de València, Dpt of Urban Planning; València, Spain ** Universitat Politècnica de València; València, Spain **About the Challenged Notion of "Curve of a City": the Example of the Pilgrimage of Lourdes (France)** Olivier LEFEBVRE Olivier Lefebvre Consultant; Paris, France 🏆 **Tehran's Mobility Pathology: An Urban Transportation View** Seyed Ahmad Reza YEKANI FARD*, Farzad ANARI** * Abad RahanTechnical-applied University, Chancellor office; Tehran, Iran ** Islamic Azad University (IAU) Dubai - UAE Branch, Architecture & Urban Planning; Tehran, Iran	
Also note the live info monitor next to the registration desk!		12:15-12:45
		12:45 14:00

TUESDAY
WEDNESDAY
THURSDAY

Thursday, 14 September 2017

Time		Auditorium 2
14:00-15:30	**Vocita** **Shaping our Future Together** **We bring citizen participation into the digital age!** By enabling the democratization of the decision-making process in closed communities (Cities) with the aim to improve the decisions taken and generate new ideas! **How??** The most important factor is to make life easy for your citizens. The easier they can handle the participation, the more will participate. **Can I use it?** Are you a mayor? Or do you handle a bigger community? Researchers, Students or just a club? – So yes you should use Vocita. **Please make use of your personal code and be part of the REAL CORP 2017 survey!** **With your ideas we will shape REAL CORP 2018!** **VOCITA** www.vocita.com matthias.breier@vocita.com +43 699 181 64 143	**Escaping the Urban Heat** Chair: Gerhard NAVRATIL 🏆 **Quantifying the Potential of Photonic Cooling to Improve Urban Microclimate** Rosmarie DE WIT*, Maja ŽUVELA-ALOISE*, Konrad ANDRE*, David Neil BIRD**, Hannes SCHWAIGER**, Florian KOLB**, Gerhard PEHARZ** * ZAMG; Vienna, AT *** JOANNEUM RESEARCH Forschungsgesellschaft mbH; Graz/Weiz, AT 🏆 **Escaping the Summer Heat – Revival Potential and Challenge of Near-Metropolitan Tourism Areas** Maria JUSCHTEN*, Carina FANNINGER*, Wiebke UNBEHAUN*, Christiane BRANDENBURG*, Alexandra JIRICKA-PÜRRER*, Christina CZACHS*, Andrea PRUTSCH**, Martina OFFENZELLER**, Fabian WEBER***, Barbara ROSENBERG-TAUFER*** * Universität für Bodenkultur Wien; Wien, AT ** Environment Agency Austria (UBA); Wien, AT *** Lucerne University of Applied Sciences and Arts (HSLU); Lucerne, CH 🏆 **Developing Effective Measures for Reduction of the Urban Heat Island based on Urban Climate Model Simulations and Stakeholder Cooperation** Maja ŽUVELA-ALOISE*, Konrad ANDRE*, Ingrid KALTENEGGER**, Gudrun LETTMAYER**, Hannes SCHWAIGER**, David Neil BIRD** * ZAMG; Vienna, AT ** JOANNEUM RESEARCH Forschungsgesellschaft mbH; Graz, AT
	Auditorium 2	**Summary, Final Discussion, Outlook, Farewell**
15:30-16:00		**Decentralised Decisions for Common Success** **Lukas MANDL** Member of Lower Austrian State Parliament; St. Pölten, AT Vice President Assembly of European Regions; Brussels, Belgium

TUESDAY
WEDNESDAY
THURSDAY

Thursday, 14 September 2017

Auditorium 3	Auditorium 4	Time
Evolution theory based Transportation Planning Chair: Günter EMBERGER	**Stakeholder Involvement and Participation** Chair: Sabina LEOPA	14:00-15:30
SPECIAL FOCUS **Understanding Human Behaviour – based on Evolutionary Epistemology theory** Harald FREY, Günter EMBERGER Vienna University of Technology, Institute of Transportation; Vienna, AT **Changing Structures Induce Changing Behaviour: Streetscape Revitalisation and Human Mobility** Tadej BREZINA, Günter EMBERGER Vienna University of Technology, Institute of Transportation; Vienna, AT **Tools for Decision Making and Transport Planning based on Evolutionary Epistemology theory** Paul PFAFFENBICHLER, Günter EMBERGER Vienna University of Technology, Institute of Transportation; Vienna, AT **afterwards:** **Excursion on Evolution theory based Transportation Planning** (limited capacity, registration via MY.CORP necessary)	**New Approach for the Study of Mobility and the RRI (Responsible Research and Innovation) Concept** Claus SEIBT Transforming Mobilities; Lörrach, DE 🏆 **Co-Creation for Smart City Solutions – a Peer-to-Peer Process** Willi WENDT, Sven DÜBNER Fraunhofer IAO, Urban Data & Resilience; Stuttgart, DE 🏆 **Playful Participation with Urban Complexity – Evaluation of the Co-Located Serious Game Mobility Safari in Vienna** Katharina GUGERELL*, Martina JAUSCHNEG**, Mario PLATZER**, Martin BERGER** * University of Groningen, Department of Spatial Planning and Environment; Groningen, AT ** Green City LAB; Vienna, AT **E-Participation – a Collaborative Approach** Matthias BREIER, Jessica OERTMANN, Konstantin STREISSLBERGER, Stefan FAZEKAS, Christian LEEB Vocita LVC; Wolfurt, AT	
Excursion on Evolution theory based Transportation Planning Change your personal perspective and join us in a guided tour. Accompanied by planning experts from Vienna's public transport operator Wiener Linien and the Austrian Federal Railways ÖBB we will experience the public transport system in Vienna		16:00-18:00

AUTHORS AND SPEAKERS

ABECKER, Andreas; Dr.; Disy Informationssysteme GmbH; Karlsruhe, DE

ABOU BAKR, Eman; New Cairo Academy, Department of Architecture; Cairo, Egypt

ADMIRAAL, Han; Enprodes Management & ITACUS (ITA Committee on Underground Space); Rotterdam, NL

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