

REAL CORP 2017

PRELIMINARY

LIST OF PRESENTATIONS

AS OF 24 MAY 2017

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

PANTA RHEI

A WORLD IN CONSTANT MOTION



12-14
SEPTEMBER
2017

VIENNA
UNIVERSITY
OF
TECHNOLOGY,
AUSTRIA

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C O R P

Kompetenzzentrum für
Stadtplanung und Regionalentwicklung



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

KEYNOTE SPEAKERS

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

Claus Seibt, Wuppertal Institute, DE

Franz-Reinhard Habel, Sprecher des Deutschen Städte- und Gemeindebundes, Berlin, DE

Han Admiraal, Enprodes Management; Rotterdam, NL, and
Antonia Cornaro, Amberg Engineering AG; Zürich, CH

SPECIAL TOPICS AND SESSIONS

presentations, workshops, discussions, ...

see also <http://www.corp.at/index.php?id=3>

Main special topics

(1) Accessibility (DI Wolfgang W. Wasserburger)

Accessibility is becoming increasingly critical to our lives. It's not only about being able to reach some place by a wheelchair, accessibility means more – like opening things, places and content to people with different kinds of impairment, for example auditive, visual, physical or cognitive disabilities. REAL CORP's special accessibility session will focus on current developments of accessibility in ICT and planning.

(2) GIS and Geoinformation (Prof. Gerhard Navratil, Vienna University of Technology)

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.

(3) Implication of mobility automation and digitisation in planning processes
(BMVIT – Austrian Ministry of Transport, Innovation and Technology)

- What does it mean in time and space (effects on mobility system and spatial structures)?
- Which role does planning play? Which new planning skills do we need and which backgrounds and competencies are necessary?
- Where are the limits of traditional planning approaches? Which new methods and tools help us go beyond these limits?
- Where is the point of Responsible Research & Innovation (RRI) to join in the future, and how can things be brought to the ground? What is the role of "Enabling Spaces" like test tracks or real laboratories (e. g. urban mobility labs)?
- What can be the contribution of a future endowed professorship?

(4) Evolution Theory based Transport Planning (IVV, Vienna University of Technology, Research Center of Transport Planning and Traffic Engineering, Prof. Günter Emberger)

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 fundamentals of our research are evolution theory's "Schichtenmodell" developed by Prof. Rupert Riedl and its application to transport planning by Prof. Hermann Knoflacher. We will show worldwide examples of the unconscious application of it and introduce tools which we have developed based on this theoretical concept (MARS). Also, we invite you to change your personal perspective and join us in a guided tour.

Morespecial topics

(5) Walk Space – Walking as most advanced form of mobility (Dieter Schwab)

(6) The New Silk Road (Prof. Bernd Hallier)

(7) E-Mobility Initiative (Austrian Mobile Power, Heimo Aichmaier & BMVIT)

(8) Poland 4D (Robert Lach, Polish Super Computing Center)

(9) Research on Future Cities and Mobility (Prof. Dr. Jens Dangschat et al.)

(10) Urban/Rural/Smart Regions (Franz Nahrada, Prof. Dr. Dirk Engelke, Prof. Dr. Pietro Elisei)

(11) The New Urban Mobility Ecosystem, CCAV and Urban Planning –
Between Vision and Managing Disruption (AustriaTech)

(12) Enabling Environments for Urban Mobility (AustriaTech)

CONFERENCE TIMELINE

REAL CORP 2017 takes place from 12 to 14 September 2017. The timeline will be as follows:

Day 0 – Monday, 11 September

approx. **19:00** Informal Welcome Reception, Ice Breaking

Day 1 – Tuesday, 12 September

09:00-10:30 Registration, Morning Coffee

10:30-13:00 Opening and Keynote Speeches

14:00-18:00 Parallel Sessions (Presentations, Workshops)

afterwards guided city tour, informal evening get-together (optional)

Day 2 – Wednesday, 13 September

09:00-18:00 Parallel Sessions (Presentations, Workshops)

afterwards Official Evening Reception

Day 3 – Thursday, 14 September

09:00-15:30 Parallel Sessions (Presentations, Workshops)

15:30-16:00 Summary, Final Discussion, Outlook, Farewell

All time specifications include lunch and coffee breaks and may be subject to minor changes.

CONFERENCE REGISTRATION

Conference registration is available via online form at <http://my.corp.at>

Reduced early bird rates until end of June 2017!

LIST OF PRESENTATIONS

ACCEPTED BY REVIEWER TEAM AND PROGRAMME COMMITTEE

Mobility – Intermodal, Multimodal, On-Demand – State of the Art and Future Perspectives

Change Detection im städtischen Umfeld von Graz/Österreich mit sehr hoch auflösenden UltraCam-Daten (reviewed paper)

A.o.Univ.Prof. Mag.Dr. Wolfgang Sulzer; *University of Graz, Geography and Regional Science*; Graz, AT
Mag. Dr. Andreas Salentinig; *University of Graz, Geography and Regional Science*; Graz, AT
BA Michael Mollatz; *University of Graz, Geography and Regional Science*; Graz, AT
BA Florian Pfeiler; *University of Graz, Geography and Regional Science*; Graz, AT
Winfried Ganster; *Stadtvermessungsgamt der Stadt Graz*; Graz, AT

Co-Creation of Innovative Sharing Mobility and Housing Based Services in Housing Initiatives and Housing Companies (reviewed paper)

Dr. Jutta Deffner; *ISOE - Institute for social-ecological research, Mobility and urban spaces*; Frankfurt, DE

Examine the Applicability of Location Based Services to Determine the Movement Patterns of Commuters between Sandton and Park Station in Johannesburg City (reviewed paper)

Student Mangakane Retsebile Moswane; *University of Johannesburg, Quality and operations management*; Doornfontein, Johannesburg, South Africa
Dr Trynos Gumbo; *University of Johannesburg, Town and Regional Planning*; Doornfontein, Johannesburg, South Africa

Integrated Spatial and Transport Development along European Corridors: A Look through the Lens of Institutional Cooperation (reviewed paper)

Cecilia Braun; *ETH Zuerich, IRL - Institut für Raumentwicklung*; Zuerich, CH
Dr. Ana Perić; *ETH Zuerich, IRL - Institut für Raumentwicklung*; Zürich, CH

New Approach for the Study of Mobility and the RRI Concept (reviewed paper)

Claus Seibt; *Transforming Mobilities*; Lörrach, DE

Smart City Supply – Verkehrstechnologien, Gütersversorgung und Stadtentwicklung auf dem Weg ins 4.0-Zeitalter (reviewed paper)

Dr. Dipl.-Ing. Heinz Dörr; *arp-planning.consulting.research, Raum- und Verkehrsplanung*; Wien, AT
Dipl.-Ing. Viktoria Marsch; *arp-planning.consulting.research, Güterverkehrsforschung*; Wien, AT

Transfer von Methoden der Aktionsforschung für urbane Mobilitätslabore (reviewed paper)

Dipl. - Ing. Christoph Kirchberger; *Technische Universität Wien, Department für Raumplanung, Fachbereich für Verkehrssystemplanung*; Wien, AT
Univ.Prof. Dipl.-Ing. Dr.-Ing. Martin Berger; *Technische Universität Wien, Department für Raumplanung, Fachbereich für Verkehrssystemplanung*; Wien, AT
Univ.Prof. Dipl.-Ing. Sibylla Zech; *Technische Universität Wien, Department für Raumplanung, Fachbereich für Regionalplanung und Regionalentwicklung*; Wien, AT
Univ.Ass. Dipl.-Ing. Dr.techn. Petra Hirschler; *Technische Universität Wien, Department für Raumplanung, Fachbereich für Regionalplanung und Regionalentwicklung*; Wien, AT

Current and Long-Term Perspective of Lagos BRT and LRT SchemeMCRP Yusuf Adenle; *King Fahd University of Petroleum and Minerals, City and Regional Planning*; Dhahran, Saudi Arabia**Is Bike Sharing Competitor, Relief or Supplement to Public Transport?**Ulrich Leth; Vienna, AT
Tadej Brezina; Vienna, AT
Bertram Ludwig; Vienna, AT
Christina Birett; Vienna, AT**Re-thinking Housing and Mobility – A European Living Lab for Shared Mobility in Munich**Christoph Helf; *Landeshauptstadt München, Verkehrs- und Mobilitätsmanagement*; München, DE
Dr. Jessica Le Bris; *Green City Projekt*; München, DE
Matthias Mück; *Landeshauptstadt München*; München, DE**Smart Mobility Cities – Linking Europe with Kuala Lumpur, Malaysia**David Ludlow; *UWE*; Bristol, UK**Traffic and Transport in Smart Cities and Regions****Active Mobility – the New Health Trend in Smart Cities, or even More? (reviewed paper)**DI Dr. Sandra Wegener; *Universität für Bodenkultur Wien, Institut für Verkehrswesen*; Vienna, AT
DI Elisabeth Raser; *Universität für Bodenkultur Wien, Institut für Verkehrswesen*; Vienna, AT
DI Mailin Gaupp-Berghausen; *Universität für Bodenkultur Wien, Institut für Verkehrswesen*; Vienna, AT**Application of Web 2.0 Technologies for Integration of Land-use and Transportation System (reviewed paper)**Papiya Bandyopadhyay Raut; *School of Planning and Architecture, Physical Planning Department*; New Delhi, India
Dr. Sandeep Kumar Raut; *Town and Country Planning Organisation*; New Delhi, India**Community-based Multi-use Hubs in Urban Areas by “CommunityHubs” (reviewed paper)**Alessandra Angelini; *Vienna University of Technology, Department of Spatial Planning, Centre of Transportation System Planning*; Vienna, AT
Georg Hauger; *Vienna University of Technology, Department of Spatial Planning, Centre of Transportation System Planning*; Wien, AT
Tamara Vlk; *Vienna University of Technology, Department of Spatial Planning, Centre of Transportation System Planning*; Wien, AT
Reinhold Schodl; *Fachhochschule des BFI Wien Gesellschaft m.b.H.*; Wien, AT
Johannes Braith; *StoreMe GmbH*; Wien, AT**Determinants of Transport Mode Choice in the Austrian Province of Vorarlberg (reviewed paper)**BSc Seyedeh R. Ashrafi; *AIT Austrian Institute of Technology, Center for Energy*; Vienna, AT
Senior Research Engineer Hans-Martin Neumann; *AIT Austrian Institute of Technology, Center for Energy*; Vienna, AT**Die Crowd-Community als Lieferant auf der letzten Meile? (reviewed paper)**Dipl.-Ing. Linda Dörrzapf; *TU Wien, Verkehrssystemplanung*; Wien, AT
Dr. Mathias Mitteregger; *TU Wien, Future.Lab*; Wien, AT
Prof. Martin Berger; *TU Wien, Verkehrssystemplanung*; Wien, AT**ICT application for Chania’s SUMP (reviewed paper)**Assistant Professor Despina Dimelli; *Technical University of Crete, School of Architecture*; Chania, Greece

Influence of Air Traffic on Economic Development of Bosnia and Herzegovina and Business Environment of the European Air Traffic (reviewed paper)

Full Professor Nurković Rahman; *University of Sarajevo, Faculty of Science, Geography*; Sarajevo, Bosnia and Herzegovina

Introducing Additional Low Emission Mobility Offers in a Well Connected Area: Challenges and Opportunities (reviewed paper)

DI, MA Karin Markvica; *AIT Austrian Institute of Technology GmbH, Center for Mobility Systems*; Vienna, AT
 DI Dr. Alexandra Millonig; *AIT Austrian Institute of Technology GmbH, Center for Mobility Systems*; Vienna, AT
 Dr. Christian Rudloff; *AIT Austrian Institute of Technology GmbH, Center for Mobility Systems*; Vienna, aT
 DI, MA Karin Markvica; *AIT Austrian Institute of Technology GmbH, Center for Mobility Systems*; Vienna, AT
 DI Dr. Alexandra Millonig; *AIT Austrian Institute of Technology GmbH, Center for Mobility Systems*; Vienna, AT
 Dr. Christian Rudloff; *AIT Austrian Institute of Technology GmbH, Center for Mobility Systems*; Vienna, aT

Kombiniertes Carsharing und Ridesharing: eine gemeinschaftsbasierte Mobilitätslösung für den ländlichen Raum? (reviewed paper)

Fabian Dorner; *TU Wien, Department für Raumplanung, Fachbereich Verkehrssystemplanung*; Wien, AT
 Martin Berger; Wien, AT

Moving People – Changing Cities: Cairo’s Urban Mobility in Question (reviewed paper)

Prof. Heba Eldeen; *Misr International University, Department of Architecture*; Cairo, Egypt

Optimization Plan of the Bike Sharing System in Hangzhou based on Accessibility Analysis (reviewed paper)

Ph.D Luyao Xiang; *The Chinese University of Hong Kong, School of Architecture*; Hong Kong, Hong Kong
 Doctor Yuan Shi; *The Chinese University of Hong Kong, School of Architecture*; Hong Kong, Hong Kong

Panta Rhei? What about When Movements Come to a Halt? (reviewed paper)

N/A Judith Ryser; *CityScope Europe, n/a*; London, UK

Smart City and Smart Transportation (reviewed paper)

Engineer Shabnam Farboud; *Tehran municipality* , ; Tehran, Iran
 Engineer Shabnam Farboud; *Tehran municipality* , ; Tehran, Iran

The Knowledge Politics of Intelligent Transport Systems: Questions and Early Indications from Hamburg (reviewed paper)

PD Dr. Philipp Späth; *University Freiburg, Institute of Social Environmental Sciences and Geography*; Freiburg, DE

The Potential of Planning Support Systems to Integrate the Current Public Transportation Modes in Gauteng (reviewed paper)

Them bani Moyo; *University of Johannesburg, Operations Management*; Johannesburg, South Africa
 Dr Walter Musakwa; *University of Johannesburg, Town and Regional Planning*; Johannesburg, South Africa

Influence of Land Use Planning, Socio-Economic and Demographic Factors and New Technologies and Mobility Trends on Use of Walking and Cycling

Pedram Saeidizand; Brussels, Belgium
 Imre Keseru; Brussels, Belgium
 Cathy Macharis; Brussels, Belgium

E-Mobility & Beyond**e-Quartier Hamburg – Möglichkeiten von Elektromobilität als fester Bestandteil von Wohnquartieren (reviewed paper)**

Daniel Kulus; *HafenCity Universität Hamburg, Umweltgerechte Stadt- und Infrastrukturplanung*; Hamburg, DE
 Dr. phil Thomas Prill; *HafenCity Universität Hamburg, Umweltgerechte Stadt- und Infrastrukturplanung*; Hamburg, DE
 Johanna Fink; *HafenCity Universität Hamburg, Umweltgerechte Stadt- und Infrastrukturplanung*; Hamburg, DE
 Prof. Dr.-Ing. Wolfgang Dickhaut; *HafenCity Universität Hamburg, Umweltgerechte Stadt- und Infrastrukturplanung*; Hamburg, DE

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 (reviewed paper)

Dr.-Ing. Conny Louen; *RWTH Aachen University, institute of urban and transport planning*; Aachen, DE
 Msc. Carina Böhnen; *RWTH Aachen University, Institute of urban and transport planning*; Aachen, DE

First Insights into the Potential Contribution of Austrian Large Scale Parking Lots to Future E-Mobility Energy Demands, Referring to Main Players and Potential Urban Photovoltaic Energy Production (reviewed paper)

DI Dr. Boris Salak; *University for Natural Resources and Life Sciences, Vienna, Department of Landscape, Spatial and Infrastructure Sciences*; Wien, AT
 B.Sc. Mag (FH) Christoph Graf; *University for Natural Resources and Life Sciences, Vienna, Department of Landscape, Spatial and Infrastructure Sciences*; Wien, AT
 Univ. Prof. DI Dr. Andreas Muhar; *University for Natural Resources and Life Sciences, Vienna, Department of Landscape, Spatial and Infrastructure Sciences*; Wien, AT

Mobility of an Ageing Population: How to Deal with Special Mobility Needs of Impaired People**A Mode Choice Model for the Elderly: Case of Mashhad City, Iran (reviewed paper)**

Assistant Professor Amirreza Mamdoohi; *Tarbiat modares university, Civil and environmental engineering*; Iran
 Fatemeh Naqavi; *Tarbiat modares university*; ; Iran

Accessibility in Urban Neighbourhoods – Subjective Perception and Objective Possibilities (reviewed paper)

Anna-Lena van der Vlugt; *Dortmund*, DE
 Dirk Wittowsky; *Dortmund*, DE

How to Foster Inclusive and Sustainable Mobility in Austrian Deprived Areas? A Diversity-oriented Toolkit for Mobility Analysis (reviewed paper)

Mag. Dr. Roswitha Hofmann; *uebergrenzendenken Forschung & wiss. Beratung e.U.*; ; Oberrohrbach, AT
 DI Petra Busswald; *akaryon GmbH*; ; Langenwang, AT
 Dipl.-Ing. Ralf Dopheide; *Dipl.-Ing. Ralf Dopheide e.U.*; ; Wien, AT
 Dipl.-Ing. Dr. Bente Knoll; *Büro für nachhaltige Kompetenz B-NK GmbH*; ; Wien, AT

How to Strengthen Non-Motorised Mobility of Elderly People? An Evidence-based Manual for the Set-up of Fall Prevention Programmes in Communities (reviewed paper)

Anita Eichhorn; *KFV (Austrian Road Safety Board), Research & Knowledge Management*; Vienna, AT
 Eva Aigner-Breuss; *KFV (Austrian Road Safety Board), Research & Knowledge Management*; Vienna, AT

Identifizierung von Steigungen als Barrieren für mobilitätseingeschränkte Personen (reviewed paper)

Thorsten Kelm; *Hochschule Bochum, Fachbereich Geodäsie*; Bochum, DE
 Sven Beyel; Bochum, DE
 Christian Müller; Bochum, DE
 Prof. Dr. rer. nat. Ulrike Klein; Bochum, DE

Toward Safer and Enjoyable Lebanese Roadways for Visually Impaired Elderly: The Case of Beirut (reviewed paper)

Associate Professor Baher Farahat; *Beirut Arab University, Faculty of Architecture Design & Built Environment*; Beirut, Lebanon
 Master of Architecture Randa Salah Al Boukhariy; *Beirut Arab University, Faculty of Architecture Design & Built Environment*; Beirut, Lebanon

Wenn die Orientierung versagt – unterwegs mit Menschen mit Demenz (reviewed paper)

Dipl.-Ing. Dr. Bente Knoll; *Büro für nachhaltige Kompetenz B-NK GmbH, Technische Universität Wien, Fachhochschule Technikum Wien*; Wien, AT
 Dipl.-Ing. Birgit Hofleitner; *Büro für nachhaltige Kompetenz B-NK GmbH*; Wien, AT
 Dipl.-Ing. Anja Kremer; *Büro für nachhaltige Kompetenz B-NK GmbH*; Wien, AT
 Ass.Prof. Dr. Elisabeth Reitingner; *IFF – Institut für Palliative Care und OrganisationsEthik, Universität Klagenfurt, Wien, Graz*; Wien, AT
 Dr. Barbara Pichler; *IFF – Institut für Palliative Care und OrganisationsEthik, Universität Klagenfurt, Wien, Graz*; Wien, AT
 Mag. Barbara Egger; *IFF – Institut für Palliative Care und OrganisationsEthik, Universität Klagenfurt, Wien, Graz*; Wien, AT

Moving People – Migration into Cities, International Migration, Seasonal Migration, Rediscovery of the Villages, ... – from Local to Global Perspectives**Cross-Border Mobility: Kikinda Tourism Case (reviewed paper)**

Dr. Danilo S. Furundžić; *JP Kikinda*; Kikinda, Serbia
 Dijana Jakšić-Kiurski; *JP Kikinda*; Kikinda, Serbia
 Ivana Petrović; *JP Kikinda*; Kikinda, Serbia

Escaping the Summer Heat – Revival Potential and Challenge of Near-Metropolitan Tourism Areas (reviewed paper)

Dipl.-Ing. Wiebke Unbehaun; *Universität für Bodenkultur Wien, Institut für Verkehrswesen*; Wien, AT
 Dr. Alexandra Jiricka-Pürerer; *Universität für Bodenkultur Wien, Institut für Landschaftsentwicklung, Erholungs- und Naturschutzplanung*; Wien, AT
 MMSc. Maria Juschten; *Universität für Bodenkultur Wien, Institut für Verkehrswesen*; Wien, AT
 DI Christina Czachs; *Universität für Bodenkultur Wien, Institut für Landschaftsentwicklung, Erholungs- und Naturschutzplanung*; Wien, AT
 Prof. Christiane Brandenburg; *Universität für Bodenkultur Wien, Institut für Landschaftsentwicklung, Erholungs- und Naturschutzplanung*; Wien, AT
 DI Andrea Prutsch; *Environment Agency Austria (UBA)*; Wien, AT
 DI Martina Offensteller; *Environment Agency Austria (UBA)*; Wien, AT
 Dr. Fabian Weber; *Lucerne University of Applied Sciences and Arts (HSLU)*; Lucerne, CH
 Barbara Rosenberg-Taufer; *Lucerne University of Applied Sciences and Arts (HSLU)*; Lucerne, CH

From Migration to Urban Sprawl in Flanders (Belgium) (reviewed paper)

drs. Isabelle Loris; *departement Omgeving, Vlaams Planbureau voor Omgeving*; Brussel, Belgium
 prof. dr. ir. Ann Pisman; *departement Omgeving, Vlaams Planbureau voor Omgeving*; Brussel, Belgium

Growth of Population Pressure Resulting Migration: Its Issues and Perspectives for India (reviewed paper)

Town Planner Bikram Kumar Dutta; *II&FS ITNL, Transport*; Gurgaon, India

Moving Destination: the Ideal Oasis – Dwelling with Vertical Farm (reviewed paper)

Lecture Li Lei; *the University of Nottingham, Department of Architecture and Built Environment*; Nottingham, UK

Smart Village as an Instrument to Curb the Rural to Urban Migration in India (reviewed paper)

Town Planner Piyilai Bandyopadhyay; *Central Pollution Control Board, Environmental*; New Delhi, India

Socio-economic Issues Associated with Urban Migration in Mumbai (reviewed paper)

Shadananan Nair Krishnapillai; *Nansen Environmental Research Centre (India)*; Kochi, India

Alternate Pedestrian Routes in the Cities

Dr. László Jóna; *HAS Centre for Economic and Regional Studies Institute for Regional Studies, West-Hungarian Research Department*; Győr, Hungary

Stadt in Bewegung – „City Sport“ als Motor nachhaltiger sozio-kultureller Integration

Dipl.-Ing. Uschi Dorau; *freiland Umweltconsulting ZT*; Wien, AT
 Dipl.-Ing. Agnes Feigl; *agnes feigl landschaftsarchitektur*; Tulln an der Donau, AT
 Dipl.-Ing. Hans-Jörg Raderbauer; *freiland Umweltconsulting ZT*; Graz, AT
 Mag. Heike Stadtschreiber; *freiland Umweltconsulting ZT*; Wien, AT

The Need of the Establishment of a Federal German Sacral Building Authority for Islamic Faith Affairs – Roadmap and Capacity Bof an Institutional Framework for Religious Communities, State Bodies and Citizens in Europe

Asad Mahrads; *Independent Research*; Berlin, DE

Data Analysis, Surveillance and Monitoring from Above: Satellites, Planes, Drones

Changing Structures Induce Changing Behaviour: Streetscape Revitalisation and Human Mobility (reviewed paper)

Tadej Brezina; *TU Wien, Institut für Verkehrswissenschaften*; Wien, AT
 Günter Emberger; *TU Wien, Institut für Verkehrswissenschaften*; Wien, AT

Centropemap – Interactive Cross-Border Data Analysis

Dipl.-Ing. Clemens Beyer; *CORP Consulting Research Projects*; Vienna, AT
 Dipl.-Ing. Manfred Schrenk; *CORP Consulting Research Projects*; Vienna, AT

Public Transport Backstage: Monitoring and Maintenance of Rail Infrastructure

Robert Schönauer; *Rail Expert Consult GmbH*; Wien, AT
 Gudrun Maierbrugger; Wien, AT

Changing Cities, Changing Landscapes – Slow or Fast Changes, Stable or Fragile Structures

Airport Cities as New Places of Urbanity in the Contemporary Urban Networks? Opportunities and Weak Aspects in an European Comparative Perspective (reviewed paper)

Assistant Professor Giulia Fini; *Politecnico di Milano, DASTU - Department of Architecture and Urban Studies*; Milano, Italia

An Assessment on the Urban Renewl Project in a Changing City: A Case Study of Tsuen Wan City Center Renewl Project in Hong Kong (reviewed paper)

Ran Wang; Hong Kong, China

Continuity and Change of Balinese Culture and Traditions: Tensions and Conflicts of Urban Development in Bali. (reviewed paper)

PhD Anom Rajendra; *University of Udayana, Department of Architecture*; Badung, Bali, Indonesia

Development of a Communication Tool to Frame a Vision for Changing Neighbourhoods (reviewed paper)

Mag. (FH) BSc. Markus Karnutsch; *Salzburg University of Applied Sciences, Smart Building and Smart City*; Puch, AT
DI M.Eng Stefan Netsch; *Salzburg University of Applied Sciences, Smart Building and Smart City*; Puch, AT
DI DI Dr. Thomas Reiter; *Salzburg University of Applied Sciences, Smart Building and Smart City*; Puch, AT

GoGreen, der Einfluss von Begrünung auf eine aktive Mobilität (reviewed paper)

Dipl.-Ing. Mira Kirchner; *MK Landschaftsarchitektur, MK Landschaftsarchitektur*; Wien, AT
Mag. Karin Ausserer; *Factum OG, -*; Wien, AT

Green it Up! (reviewed paper)

Martina Jauschneg; *Vienna, AT*
Hannes Schaffer; *mecca consulting, ; Wien, AT*
Beate Schaffer; *mecca consulting, ; Wien, AT*
Stefan Plha; *mecca consulting, ; Wien, AT*
Martin Berger; *Green City LAB, ; Wien, AT*

Innovation, Technologies, Participation. New Paradigms towards a 2.0 Citizenship (reviewed paper)

Professor Beniamino Murgante; *University of Basilicata, University of Basilicata*; Potenza, Italia

Landwirtschaftliche Konversion – Chancen der Umnutzung ehemaliger Landwirtschaftsbetriebe an den Siedlungsrändern (reviewed paper)

Rebecca Körnig-Pich; *ETH Zürich, IRL*; Speyer, DE

Lost in Post-Socialist Change: the case of Sisak (Croatia) (reviewed paper)

Assist. prof. Vedran Prelogović; *University of Zagreb, Faculty of Science, Department of Geography*; Zagreb, Croatia
Assist. prof. Jelena Lončar; *University of Zagreb, Faculty of Science, Department of Geography*; Zagreb, Croatia

Mobility for Valencia City Centre – a Case Study (reviewed paper)

Dr. Josep Lluís Miralles; *Universitat Politècnica de València, Dpt of Urban Planning*; València, Spain
Architect Jovy Zulay Orellana Saraguro; *Universitat Politècnica de València, ; València, Spain*

Monitoring der Siedlungsstruktur – Methodik und Ergebnisse für Deutschland (reviewed paper)

Gotthard Meinel; *Leibniz-Institut für ökologische Raumentwicklung, Monitoring der Siedlungs- und Freiraumentwicklung*; Dresden, DE

On the Path towards Smart Mobility: the Journey of three Forerunner Cities Eindhoven, Manchester and Stavanger (reviewed paper)

Marielisa Padilla; Stuttgart, DE

Passenger Transport and Cities in India: Variations in Travel Behaviour with Patterns of Urbanization (reviewed paper)

Julia Janke; *Vienna University of Technology, Department of Spatial Planning, Centre of Public Finance and Infrastructure Policy*; Vienna, AT

PhD Narasimha Rao; *International Institute for Applied Systems Analysis*, ; Laxenburg, AT

Planning Smart Shrinkage – The New Perspective for Livability in Historic Cities (reviewed paper)

Resercher Sarmite Barvika; *Riga Technical University, Faculty of Architecture*; Riga, Latvia

Professor Sandra Treija; *Riga Technical University, Faculty of Architecture*; Riga, Latvia

”Ugly Truth” about Social Participation on the Example of First Woonerf in Poland (reviewed paper)

Arch M.Sc. Krzysztof Wibig; *Politechnika Łódzka, Institute of Architecture and Urban Planning*; Lodz, Poland

Reaktionen einer angewandten und planungsorientierten Stadtklimatologie auf die rezenten Veränderungen urbaner Strukturen (reviewed paper)

Prof. Dr. Sascha Henninger; *Technische Universität Kaiserslautern, Physische Geographie und Fachdidaktik*; Kaiserslautern, DE

Dipl.-Ing. Martin Fabisch; *Technische Universität Kaiserslautern, Physische Geographie und Fachdidaktik*; Kaiserslautern, DE

SmartRegio – Employing Spatial Data to Provide Decision Support for SMEs and City Administrations (reviewed paper)

Dr. Martin Memmel; *DFKI GmbH, Smart Data & Knowledge Services*; Kaiserslautern, DE

Dr. Andreas Abecker; *Disy Informationssysteme GmbH*, ; Karlsruhe, DE

Dr. Sebastian Bretthauer; *Goethe-Universität Frankfurt*, ; Frankfurt, DE

Heinz Kirchmann; *DFKI GmbH, Smart Data & Knowledge Services*; Kaiserslautern, DE

Roman Korf; *USU Software AG*, ; Karlsruhe, DE

Markus May; *Disy Informationssysteme GmbH*, ; Karlsruhe, DE

Richard Wacker; *YellowMap AG*, ; Karlsruhe, DE

Social Media as A Source of Self Organizing City: Bridging the Gap Between Policy Making and Public Act (reviewed paper)

Instructor PhD Simge Ozdal Oktay; *Cankaya University, City and Regional Planning*; Ankara, Turkey

Spatial-Temporal Analysis on Land Use Changing in Shenzhen City of China (reviewed paper)

Ran Wang; Hong Kong, China

Struggle for Change – Process of Urban Transformation of Koroska Street in Maribor (reviewed paper)

dr. Kaja Pogacar; *Faculty of civil engineering, transportation engineering and architecture, Chair of architecture*; Maribor, Slovenia

Tehran’s Mobility Pathology: An Urban Transportation View (reviewed paper)

Dr. Seyed Ahmad Reza Yekani Fard; *Abad Rahan Technical- applied University, Chancellor office*; Tehran, Iran

Urban transition – “the remarkable case of Rotterdam” (reviewed paper)

MA BSc Niels Kropman; *Rotterdam University of applied Sciences, Real Estate Management Studies*; Rotterdam, The Netherlands

About the Challenged Notion of "Curve of a City": the Example of the Pilgrimage of Lourdes (France)

Dr Olivier Lefebvre; *Olivier Lefebvre Consultant*, ; Paris, France

Energetische Potenziale und klimatische Grenzen der Nachverdichtung städtischer Quartiere am Beispiel der Region FrankfurtRheinMain

Prof. Dr. Dagmar Everding; *Hochschule Nordhausen*, ; Nordhausen, DE

Fit für den Klimawandel: Wie passt sich Wien an?

DI, MA Marianne Steiner; *Stadt Wien, Magistratsdirektion Klimaschutzkoordination*; Wien, AT

GCC Cities from Local Oasis to Global Hubs

Executive Director Talal Al-Harigi; *The National Training Center for Facilities and Hospitality Management*, ; Alkhoubar, Saudi Arabia

Mobilität und U-Bahn-Umsteigeknoten der Stadt: Transferzentrum – Yenikapı in Istanbul

Assoc.Prof.Dr. Bilge Alpay; *Mimar Sinan Schöne Küste Universitaet, Stadt und Regionalplanung*; Fındıklı- İstanbul, Türkei
Assoc.Prof.Dr. Pelin Gökgür; *Mimar Sinan Schöne Küste Universitaet, Stadt und Regionalplanung*; Fındıklı- İstanbul, Türkei

Private or Public Transport? The Determinants of Travel Behaviour in Post-industrial City – the Case of Łódź

M.A. Szymon Wójcik; *University of Lodz, Department of Econometrics*; Lodz, Poland

Propounding of an Archetype and Proffering the Reinvigoration of Dilapidated Town Centre of Surat City, Gujarat, India

Assist professor Yamee Thakkar; *Siver oak college of engineering and technology, Civil engineering department*; Ahmedabad, India

Public Spaces Planning Policies and the Effects on Pedestrian Mobility in a Metropolis City; the Case Study of Tehran

Ehsan Ranjbar; *Tarbiat Modares University, Urban Planning*; Tehran, Iran
Najmeh Motalaei; *University of Applied Science*, ; Tehran, Iran

Redistributing Resources in the Urban Environment –Tools and Strategies Towards a More Sustainable and Resilient Urban Environment

BSc Klaus Kodydek; *Vienna University of Technology, Urban Design*; Wien, AT
DI Dr. Angelika Psenner; *Vienna University of Technology, Urban Design*; Wien, AT

Transformation of Public Spaces and Changing Pattern of Mobility in a Historic City, Case Study: Isfahan, Iran

student Zahra Azarm; *tarbiat modares university, art faculty*; Tehran, Iran
Student Zohreh Ghalani; *tarbiat modares University, Art faculty*; Tehran, Iran
Dr,assistant professor Ehsan Ranjbar; *Tarbiat Modares University, Art faculty*; Tehran, Iran
Student Maedeh Azarm; *Isfahan University*, ; Esfahan, Iran

What are the Most Important Things in the City?

Kamyar Fanaei; Tehran, Iran

Real Time Mobility Data and Applications

Mobile Museum Guides Applications based on Knowledge Graphs (reviewed paper)

Nataly Zhukova; Saint-Petersburg, Russia
Dmitry Zamula; Saint-Petersburg, Russia
Dmitry Muromtsev; Saint-Petersburg, Russia

Urban Emotions and Realtime Planning Methods (reviewed paper)

Dr.-Ing. Peter Zeile; *Karlsruhe Institute of Technology, Urban and Landscape Design | STQP*; Karlsruhe, DE

An Investigation of Information Communication and Dissemination Needs: Case of Gautrain Operations

Manyedi Rakabe; *University of Johannesburg, Town and Regional Planning*; Seshogo, South Africa
Dr Walter Musakwa; *University of Johannesburg, Town and Regional Planning*; Johannesburg, South Africa

Crowd-Sensing Solution for On-Street Parking

Dipl.-Ing. Maja Pavlin; *Parkbob*; Vienna, AT
Dipl.-Ing. Nillüfer Cipa; Vienna, AT
PhD Ivan Kasanicky; Vienna, AT

Spatial Simulation, Modelling and Decision Support

Augmented Reality – neue Potenziale durch den Einsatz einer Lichtmarker-Technologie für die Stadtentwicklung (reviewed paper)

Isabelle Doll; *Karlsruher Institut für Technologie - Fakultät für Architektur, Fachgebiet Building Lifecycle Management*; Karlsruhe, DE
Karsten Reroth; *Karlsruher Institut für Technologie - Fakultät für Architektur, Fachgebiet Building Lifecycle Management*; Karlsruhe, DE
Prof. Dr.-Ing. Petra von Both; *Karlsruher Institut für Technologie - Fakultät für Architektur, Fachgebiet Building Lifecycle Management*; Karlsruhe, DE

Developing Effective Measures for Reduction of the Urban Heat Island based on Urban Climate Model Simulations and Stakeholder Cooperation (reviewed paper)

Maja Zuvela-Aloise; Vienna, AT
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Empirical Assessment of the Travel Time Indicator as an Economic Sustainability Benefit Using the GIS Approach (reviewed paper)

Taslim Alade; *Erasmus University Rotterdam, Institute for Housing and Urban Development Studies*; Rotterdam, The Netherlands

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Korneuburg's way2smart – Mobility Concept, Energy Platform and Social Interaction (reviewed paper)

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 MSc Simon Schneider; *FH Technikum Wien*; ; Wien, AT
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 DI Thomas Zelger; *FH Technikum Wien*; ; Wien, AT
 MSc Elisabeth Kerschbaum; *IBO - Österr. Institut für Bauen und Ökologie*; ; Wien, AT
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 Dipl.-Ing. Dr. techn. Hans Kramar; *TU Wien, Fachbereich Stadt- und Regionalforschung*; Wien, AT
 Dipl.-Ing. Robert Kalasek; *TU Wien, Fachbereich Stadt- und Regionalforschung*; Wien, AT
 Dipl.-Ing. Aggelos Soteropoulos; *TU Wien, Fachbereich Stadt- und Regionalforschung*; Wien, AT
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PV for E-Mobility – a GIS-based Approach to Identify and Evaluate Photovoltaic Potentials on Urban Open Spaces to Supply E-Mobility Charging Infrastructure (reviewed paper)

Dr. Ernst Gebetsroither-Geringer; *AIT Austrian Institute of Technology, Center for Energy*; Vienna, AT
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 MSc David Neil Bird; *JOANNEUM RESEARCH Forschungsgesellschaft mbH*; ; Graz, AT
 DI Dr. Hannes Schwaiger; *JOANNEUM RESEARCH Forschungsgesellschaft mbH*; ; Graz, AT
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 Dr Thomas Kaufmann; *TU Wien, Institut für Energiesysteme und Elektrische Antriebe*; Wien, AT

Raum- und standortökonomische Optimierungsmodelle in Open-Source-Umgebungen – Implementation und Anwendungsmöglichkeiten im Kontext der Einzelhandels- und Versorgungsforschung (reviewed paper)

Dr. Thomas Wieland; *Karlsruher Institut für Technologie, Institut für Geographie und Geoökologie*; Karlsruhe, DE

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Dr. Islam Ghonimi; *shoubra faculty of engineering - Benha University, Architecture*; Cairo, Egypt

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MSc. Martin Brunnhuber; *VRVis GmbH*, ; Vienna, AT
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 Dr. Gerd Hesina; *VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH*, ; Vienna, AT
 Ing. Robert W. Glatzl; *Dibit Messtechnik GmbH*, ; Innsbruck, AT
 Dipl.-Ing. Heiner Kontrus; *Dibit Messtechnik GmbH*, ; Innsbruck, AT

Can an Economic Activities Inventory Fill the Knowledge Gap about the Economic Sector in a Policy Making Process?

Federico Giaretta; *Architecture workroom brussels*, ; Bruxelles, Italy
 Jan Zaman; *Vlaamse Overheid, Ruimte Vlaanderen*; Saint-Josse-ten-Noode, Belgium

Quantitative Analysis of Spatial Heterogeneity in the Value-Added Effect of Subways on Housing Price – a Case Study of Nanjing Central Areas

Ran Wang; Hong Kong, China

GIS and Geoinformation: What do we Expect from New Observation Technologies and Web 2.0?**Ecological Monitoring Network for the Gulf of Finland (reviewed paper)**

Dr. Oksana Smirnova; *St. Petersburg Institute for Informatics and Automation - Hi Tech Research and Development Office Ltd.*, ; St.Petersburg, Russia
 Tatiana Popovich; *SPIIRAS - Hi Tech Research and Development Office Ltd.*, ; St.Petersburg, Russia

Human's Digital Space – What about the Metrics? (reviewed paper)

Professor Vasily Popovich; *SPIIRAS HTR&DO Ltd., Member of the Board of Directors*; St. Petersburg, RF
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Land-use Sustainability Analysis Toolbox for Sustainability Assessment of the Urban Areas' Land-Use Structure (reviewed paper)

Msc. Eng. Niveen Ghattas; *TU Kaiserslautern, TU Kaiserslautern*; Frankfurt am Main, Hessen

(Sich) ein Bild machen – wie Planer sich GIS als Werkzeug bei schwierigen Aufgaben zu eigen machen können (reviewed paper)

Dr.-Ing. Martin Berchtold; *TU Kaiserslautern, Fachgebiet Digitalisierung, Visualisierung und Monitoring in der Raumplanung*; Kaiserslautern, DE

Planning and Administration for a Better Future

Integrale Planung: Merkmale zur Identifizierung und Initialisierung in der kommunalen Praxis (reviewed paper)

Dipl.-Ing. Karsten Rexroth; *Karlsruher Institut für Technologie (KIT), Fachgebiet Building Lifecycle Management*; Karlsruhe, DE
Prof. Dr.-Ing. Petra von Both; *Karlsruher Institut für Technologie (KIT), Fachgebiet Building Lifecycle Management*; Karlsruhe, DE

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Dr. Gerhard Navratil; *TU Vienna, Gedesy and Geoinformation*; Vienna, AT
Ass.Prof. Reinfried Mansberger; *BOKU, Institut für Vermessung, Fernerkundung und Landinformation*; Wien, AT

“Attractive Danube” – Improving Capacities for Enhancing Territorial Attractiveness of the Danube Region (reviewed paper)

Ljiljana Zivkovic; *PhD, MBA, Spatial Planner*; Belgrade, Serbia
Blaž Barborič; *Geodetic Institute of Slovenia*; Ljubljana, Slovenia

Smart Cities

Co-Creation for Smart City Solutions – a Peer-to-Peer Process (reviewed paper)

Willi Wendt; *Fraunhofer IAO, Urban Data & Resilience*; Stuttgart, DE
Sven Dübner; *Fraunhofer IAO, Urban Data & Resilience*; Stuttgart, DE

Datenplattform Smarter Together (reviewed paper)

Chief Data Officer Gerhard Hartmann; *Magistrat der Stadt Wien, Magistratsabteilung 14/Strategiebüro*; Wien, AT

Playing with Urban Complexity (reviewed paper)

Katharina Gugerell; *University of Groninge, Department of Spatial Planning and Environment*; Groningen, AT
Martina Jauschneg; *Green City LAB*; Vienna, AT
Mario Platzer; *Green City LAB*; Vienna, AT
Martin Berger; *Green City LAB*; Vienna, AT

Smart City Attitudes of Hungarian Cities

Dr. 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

Case Studies on Mobility

Application of TOD Approach in Urban Land Use Planning: Evidence from Iran, Kashan (reviewed paper)

Assistant Professor Amirreza Mamdoohi; PhD Student Iman Farzin; PhD Student Hadi Gholi; *Tarbiat modares university, Civil and environmental engineering*; Iran

Assessment of Environmental Pollution Load of High Density Transit Corridor in India (reviewed paper)

Town Planner Sanhita Bandyopadhyay; *Unihorn India Pvt Ltd, Antea Group, Environment & Social*; Gurgaon, India

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MSc Amphai Wejwithan; *Research Center of Transport Planning and Traffic Engineering Institute of Transportation, Vienna University of Technology; Vienna, AT*

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Dipl. Ing. Dr. tech. Harald Frey; *Research Center of Transport Planning and Traffic Engineering Institute of Transportation, Vienna University of Technology; Vienna, AT*

Spatial Complexity: Identifying Critical Zones in the Egyptian Underground Reciprocal Stations (reviewed paper)

Teacher assistant Eman Abou Bakr; *New Cairo Academy, Department of Architecture; Cairo, Egypt*

Assistant Professor Noheir Elgendy; *Cairo University, Department of Architecture; Cairo, Egypt*

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PhD, Postdoctoral researcher Slaven Gasparovic; *University of Zagreb, Faculty of Science, Department of Geography; Zagreb, Croatia*

An Exploratory Study on “Sub-region Life Circle” in Chinese Big Cities based on Human High-probability Daily Activity and Mobility: Characteristic and Formation Mechanism – a Case of Wuhan

Associate Prof. Zhuoran Shan; *Huazhong University of Science and Technology, School of Architecture and Urban Planning; Wuhan, China*

Dr. Xianchun Zhang; *Hong Kong, China*

Postdoctor Li Wan; *Cambridge, UK*

Kun Li; *Haerbin, China*

Yaping Huang; *Wuhan, China*