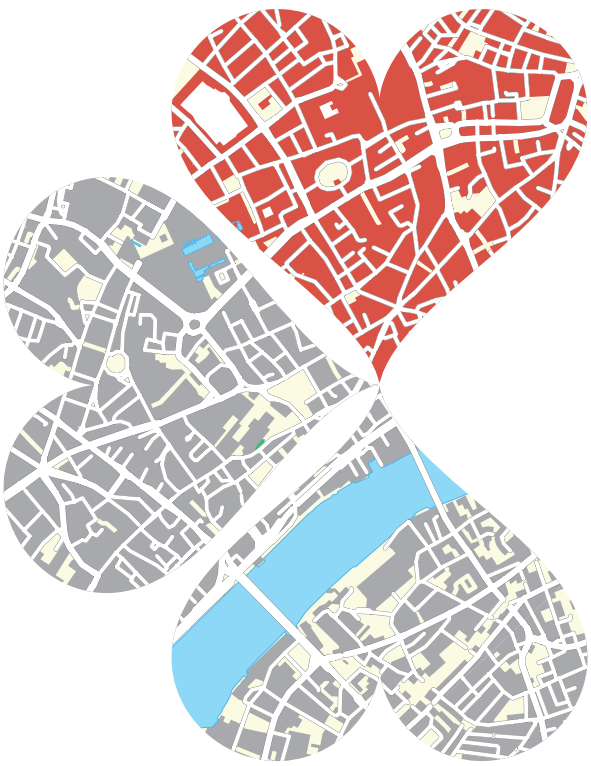
REAL CORP 2019

CONFERENCE PROGRAMME

24th International Conference on Urban Planning and Regional Development in the Information Society



Is this the Real World?

PERFECT SMART CITIES
vs.
REAL EMOTIONAL CITIES

ISOCARP
Knowledge for Better Cities

Karlsruhe

KIT
Karlsruher Institut für Technologie

CORP
Kompetenzzentrum für Stadtplanung und Regionalentwicklung
Competence Center of Urban and Regional Planning | www.corp.at

2-4 APRIL 2019, KARLSRUHE INSTITUTE OF TECHNOLOGY
ENGLERSTRASSE 11, 76131 KARLSRUHE, GERMANY
49.010237 °N, 8.411619 °E

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WELCOME

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

WELCOME to REAL CORP 2019, the 24th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

REAL CORP 2019 under the topic "Is this the Real World?" tries to explore the common ground as well as differences between Perfect Smart Cities and Real Emotional Cities.

Cities have been created by mankind for thousands of years now, as places for people to live and where they can best develop their talents and activities in work-sharing societies.Although there is still a huge demand for physical structures, lately lots of the discussion on the future of cities has been focusing on bringing digital technologies into cities. The term "Smart Cities" has been excessively used and bears the hope and promise that cities will become more efficient but also more livable."Smart Cities Solutions" has also become a major industry with a huge future potential.

Cities do not just consist of bricks, mortar, steel, glass and – recently – ICT. A city has an identity, a "spirit", it is emotional, and this is often something very important for a city and its places and districts, and of course for its citizens. Cities are "home", there can be feel-good places as well as areas rather to avoid, depending on many factors: common and individual ones. What makes the "spirit of a city" or a place?

Whereas renderings in the Smart City context all too often show almost perfect cities, real cities have their shiny places, but most probably also their "dark sides". What is the situation and the future of "THE REAL WORLD"? What is the relation between longing for "Perfect Smart Cities" and "Real Emotional Cities"? Will cities and neighbourhoods be "standardized" and more look and feel like each other or will they keep their identities? Will this be just decided in market values?

Can urban planning support keeping and creating places, spaces and cities – "Real Emotional Cities"? What are the tools for the 21st century city? Of course we must not forget that sustainability and resilience stay primary goals for urban development. REAL CORP 2019 explores the relations and differences between standardisation trough technical innovation on the one hand and the quest for uniqueness and peculiarity on the other hand.

This year we brought together some 250 participants from more than 40 countries worldwide. The main goal of the REAL CORP conference series isto 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, ISOCARP – International Society of City and Regional Planners, and Karlsruhe Institute of Technology. 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.

The proceedings of this year's conference contain 110 scientific papers; 86 of them were selected after a double-blind, double-stage (for both abstracts and full papers) peer-review process for publication and presentation at the 24th International Conference on Urban Planning and Regional Development in the Information Society, REAL CORP 2019. The non-reviewed papers were accepted by the programme committee after a double-blind abstract review. The conference is held from 2 to 4 April 2019 in Karlsruhe, Germany, in co-operation with Karlsruhe Institute of Technology, Department of Urban Quarter Planning.

Welcome to Karlsruhe!
Have a great conference!

Manfred Schrenk, Clemens Beyer and the REAL CORP Team

https://live.corp.at

CONFERENCE TOPICS

- **REAL CORP 2019 special challenge:** Real Smart Cities – Squaring the Circle? Enormous savings, huge profits, happy people – sustainable, resilient, for all
- Changes in the physical structure of cities due to digitisation
- Real World Territories vs. Info Spaces
- Tradition vs. Branding: Keeping and creating the identity, the spirit, the emotions of cities and places. Is "branding" the tool for new places to create identity or for existing places to "upgrade"?
- Real Smart Cities – High Tech and High Quality of Life: best practises and concepts for the future
  - integrated/holistic approaches;
  - sectoral solutions (energy/smart grid; resource management; people mobility; freight transport and logistics; smart government; data and information infrastructures; smart buildings, smart housing, smart home; smart health, education, entertainment; smart retail; internet of things; urban farming; safety and security; …)
  - governmental vs. industrial vs. civil society driven approaches
- Things hardly mentioned in "Smart Cities propaganda" - the "other side of the city" (informal settlements; refugees camps; brownfields; traditional industrial areas, slaughterhouses, …; huge logistic and retail zones; waste (water) treatment; cemeteries; "no-go areas"; urban heat islands …)
- How do we decode the context of a city and can we measure or describe people's perceptions?
- Feel-Good Places – how to create, how to maintain? (urban design; mix of uses; existence or absence of strict regulations; sounds vs. noise; managing urban microclimate; memories, historical remains; nature in the city, art,;performances; ...)
- City OF things or city FOR people?
- Real Estate Development and Urban Planning: competitors or partners?
- Role of Urban Planning and Urban Planners in shaping the City of the Future (advisors, masterplanners, moderators/mediators, designers, integrators, …; cultural differences in urban planning and the use of technology)
- Digitisation trends in urban planning?
  - Tools – advances in technology
  - (Evolution of GIS and DSS?; from Building Information Modelling (BIM) to City Information Modelling (CIM); Artificial Intelligence? (AI); Designing with Virtual Reality (once again!)? 3D printing, consumer 3d printing (c3dp), ...)
  - Sources of information (remote sensing, LIDAR/Laser Scanning, drones/unmanned vehicles, floating vehicle data, real time data, sensor networks, "Big Data", …)
- Accessibility of information and data (Open Government Data (OGD), Open Source, user and crowd generated content, news from INSPIRE?, international and global data initiatives, …)
- Mindset – trust or mistrust in instruments, methods, processes?
- What about the countryside? ("Smart Country"; Digitisation in the context of „rethinking the concept of villages" and its potential benefits; …)

Is this the Real World?
Perfect Smart Cities
vs.
Real Emotional Cities

ALL REAL CORP PAPERS SINCE 1996 AVAILABLE ONLINE FOR FREE:

www.corp.at

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), board member ÖGR (Austrian Society of Spatial Planning), and Deputy President AGEO (Austrian Umbrella Organisation for Geoinformation). He is currently Chairman of CORP (Competence Center for Urban and Regional Planning) and Lecturer at TU Wien, Institute of Spatial Planning.

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

Foto: Christa Lachenmaier, Köln

Markus Neppl is Professor for Urban Quarter Planning of KIT's Institute for Urban and Landscape Design. Founding Partner of ASTOC Architects & Planners, which he founded together with Kees Christiaanse and others in 1990 and today has 65 employees and works on urban projects of different scales. He studied in Aachen and held many teaching positions and professorships in German universities. He also holds different public mandates and is a member of the Advisory Board of World Heritage Upper Middle Rhine Valley, the Design Advisory Committees of Tübingen, Mainz and Ulm as well as Scientific Advisory Board of the German Urban Design Prize (Deutscher Städtebaupreis). Next to his professional work, he published extensively on topics relating to urban development.

Markus Neppl, Karlsruhe; Germany; *KIT – Karlsruhe Institute of Technology, Head of Department of Urban Quarter Planning*

Peter Zeile is senior researcher at Urban Quarter Planning Group of KIT's Institute for Urban and Landscape Design and project leader of German Research Foundation (DFG) and Austrian Science Fund (FWF) founded project "Urban Emotions" together with Paris Lodron University Salzburg. PhD at the University of Kaiserslautern on the topic of "real-time planning in urban design processes" and years of research on "development of geoweb and mobile web methods in urban planning". Teaching activities in CAD, GIS and digitization in spatial planning as well as developing concepts for transferring research results into student-oriented teaching and participation formats. Member of ISOCARP and involved in international research and exchange programmes with partners in Egypt, Taiwan, India, Brazil, South Korea, US as well as in European context. Editor for "Urban Planning", REAL CORP and gis.science.

Peter Zeile, Karlsruhe; Germany; *KIT – Karlsruhe Institute of Technology, Urban Quarter Planning Group*

Anke Karmann-Woessner studied architecture/urban planning at the Technical University of Darmstadt. Post graduate state examination for senior service in Public administration, worked for many years in the Bavarian State public administration and for several years abroad in France. PhD on European environmental law at the Technical University of Kaiserslautern. Almost 30 years of experience in all fields of urban development and mobility, EU, federal and state funding projects, project and competition management, citizen participation and moderation processes, numerous judging and lecturing activities. Numerous judge and lecturer activities, many years of teaching activities at universities and colleges complete this experience, Honorary Professorship at the HfWU University, Nürtingen. Since 2013, Prof. Dr.-Ing. Anke Karmann-Woessner is head of the city planning department in Karlsruhe.

Anke Karmann-Woessner, Karlsruhe, Germany; *Head of the City Planning Department in Karlsruhe*

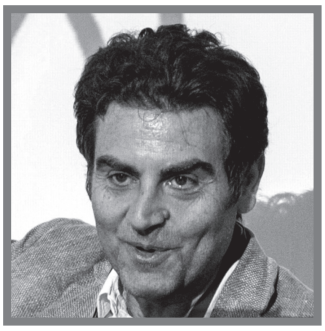
KEYNOTE SPEAKERS

Bernd Streich is emeritus professor for computer-aided design and planning methods in spatial planning and architecture at the University of Kaiserslautern. After his studies in Hamburg and Bonn he became scientific assistant at the chair for urban design and urban settlement at the University of Bonn.1983 he finished his doctoral degree on "Simulation of Urban Form/Design by Using Computer Techniques"; habilitation followed in 1987 on "Foundations of a Theory on General Leading Concepts in Urban Planning". From 1987 to 1990 he worked for the planning department in the municipality of Essen, since then he has been professor in Kaiserslautern.

Bernd Streich; Kaiserslautern, Germany; *Emeritus Professor for computer-aided design and planning methods in spatial planning & architecture*

Pierre Laconte is President of the Foundation for the Urban Environment, which seeks to link urban planning, transportation and the environment. A past President of the International Society of City and Regional Planners, and former Secretary General of the International Association of Public Transport – UITP, he was a member of the Lee Kuan Yew World City Award Council (2010 & 2012) and evaluator for the European Green Capital Award (2012 & 2013). He is one of the three planners initially responsible for the Louvain new university town in Belgium. Its shopping mall linked to the railway station has 8 million visitors per year. It received the Abercrombie Award of the International Union of Architects. He is a member of the Akademie der Künste, Berlin, Sektion Baukunst.

Pierre Laconte, Brussels, Belgium; *President of Foundation for the Urban Environment – FFUE, Hon. Secretary General of UITP*



Beniamino Murgante is professor of spatial planning at the School of Engineering of the University of Basilicata. He took his PhD in "Sciences and methods for European cities and territory" at the Department of Civil engineering of the University of Pisa and he carried out other researches in Lyon at the Laboratory for Information System Engineering directed by Robert Laurini. He is the author of more than 100 publications in international journals in the field of technology applied to the city and the territory. Member of the Editorial Board of many international journals, scientific committees of a lot of national and international conferences and the scientific council of some national and international organizations. Co-General Chair of the International Conference on Computational Science and Its Applications (ICCSA).

Beniamino Murgante, Potenza, Italy; *Professor of Spatial Planning at University of Basilicata*

Ismael Fernández Mejía is a Mexican Architect, Urban Planner, Consultant in Urban Development Projects and Infrastructure. His professional experience is based in the fields of Urban and Regional Planning, Spatial Analysis, Urban and Architectural Design, and the Design and integration of Infrastructure and Real Estate Development Projects. He graduated in 1969 as an architect, at the La Salle University in México City, Diploma in Planning Studies (1974), University of Edinburgh UK; Master in Philosophy in Urban Design and Regional Planning (1978) University of Edinburgh UK; Doctor in Business Management AD2 (1985) IPADE Business School, Universidad Panamericana AC. At present he is President of IFM International, firm devoted to the integration of Urban Development, infrastructure and Real Estate investment projects. He is member of several professional institutions, like the SAM Mexican Society of Architects, CAM Mexican College of Architects, or IASP International Association of Science Parks.

Ismael Fernández Mejía, Mexico City, Mexico; *President of IFM International*

KEYNOTE SPEAKERS

Till Nagel is a professor for visual analytics at University of Applied Sciences Mannheim. His research interest are in geovisualisation, urban data, and interaction design, with a focus on how to engage broader audiences with interactive displays of tempospatial data. Previously, he was a guest professor at Burg Giebichenstein University of Arts and Design Halle. Before that, Till was a postdoc at the FHP Urban Complexity Lab. He has a background in media and computer science, and pursued his PhD at the Human Computer Interaction group at KU Leuven. He is a research affiliate with the MIT Senseable City Lab, and the KUL Data Visualization Lab. Since 2006 he is a lecturer in creative coding and data visualization, and taught courses at several international universities. He is the project lead of Unfolding Maps, a software library for geovisualisations and maps for Processing. His design work has been exhibited at Venice Biennale of Architecture, Shanghai Design Exhibition, DMY Berlin, and featured in The Guardian, Esquire, The Atlantic Cities, and many more.

Till Nagel, Mannheim, Germany; *Professor for Visual Analytics at University of Applied Sciences Mannheim*

Jelle Rijpma is an experienced advisor with a demonstrated, successful history in the urban and regional planning industry. Focus in complex situations to develop integrated comprehensive vision, strategy and organisation. Additionally skilled in Sustainable Development, Mobility, Infrastructure, Innovation management. He is focused on constructing and processing strategies on urban planning issues. He is cofounder of UniverCities the company to develop new ICT analytic instruments for urban planning in cooperation with ISOCARP. UniverCities is in the stage of defining proof of concept. Jelle Rijpma has a master degree in urban and regional planning. He worked for TU Delft (research, lector, management 15 years), The National Ministry of Urban Planning, TNO Institute Department Urban Planning and Department Built Environment (research and consultancy), the engineering company DHV (consultant strategic governmental problems) and is owner of Jelle Rijpma Advies (consultancy urban and regional planning 8 years).

Jelle Rijpma, Eindhoven, The Netherlands; *Jelle Rijpma Advies, consultancy in urban and regional planning*

REAL CORP 2019 Host and Organising Partner
KIT – Karlsruhe Institute of Technology

www.kit.edu

Location of Innovation and Research – Karlsruhe:
Welcome to the largest scientific institution in Germany, Karlsruhe Institute of Technology

Karlsruhe as a location for research and innovation enjoys an international reputation. The greater Karlsruhe area is one of the TOP 10 in Europe. Nationwide leading institutions with an international reputation such as the three Fraunhofer Institutes and the ZKM – Center for Art and Media, which is unique in the world, give the city and the greater Karlsruhe area an enormous degree of popularity. The dense network of universities, research institutes and high-tech companies makes Karlsruhe an outstanding centre of innovation.

With the merger of the University of Karlsruhe (TH) and the Forschungszentrum Karlsruhe GmbH (FZK) in 2009 into the Karlsruhe Institute of Technology (KIT), the largest scientific institution in Germany was established with an annual budget of around 800 million euros. With more than 9,000 employees, KIT is one of the world's largest research and teaching institutions with outstanding international potential in natural and engineering sciences. The KIT is both a state university and a major research institution in the Helmholtz Association.

Karlsruher Institut für Technologie

Research, teaching and innovation from Karlsruhe enjoy an international reputation and are developed from the idea to the flagship project for the whole of Europe and beyond.

Special Focus: City Lights – Licht im öffentlichen Raum

2. April 2019, 14.00–16.00, Auditorium 2

Rund um den Wechsel in das neue Jahrtausend war das Licht im öffentlichen Raum ein dominantes Thema. Städte entdeckten die Bedeutung des Lichts im öffentlichen Raum für sich. Die Qualität der Straßenbeleuchtung wurde hinterfragt, Energieeffizienz und Ökologie unterstrichen die Bedeutung des Themas. Viele Städte entwickelten eine Strategie zu Umgang mit dem Licht im öffentlichen Raum, vielerorts wurden Masterpläne für die Beleuchtung des öffentlichen Raumes und für die Anstrahlung bedeutender Bauwerke aufgestellt.
Danach wurde es still um das Thema. Pläne wurden umgesetzt, die LED revolutionierte die Beleuchtung grundlegend. Manche Städte profitieren von den Anstrengungen der Zeit und setzen sie weiter um, andere gehen neue Wege und wieder andere haben das Thema einem Betreiber übertragen und ad acta gelegt.
Dabei bieten sich gerade in der smarten Stadt ganz neue Möglichkeiten, mit Licht umzugehen, es bewusst einzusetzen, effizient zu steuern und Stimmungen zu wecken. Licht ist wichtig für die gefühlte Sicherheit. Der Verzicht auf Licht ist gut für die Umwelt. Diesem „Weniger ist mehr“ und „Qualität ist besser“ soll in dieser Session nachgespürt werden. Technik und Emotionalität sind die Themen des Stadtlichts am Anfang des 21. Jahrhunderts.

Moderation: Martin TÖLLNER, Vortragende:

Felix NEUHOLD
Geschäftsführer Allstars Eventservice GmbH, Direktor www.hannover-leuchtet.com

Rainer BARTH
Abteilungsleiter Stadtbeleuchtung, Stadt Leipzig, Verkehrs-und Tiefbauamt

Mary-Anne KYRIAKOU
Lehrstuhl Lichtgestaltung Hochschule Ostwestfalen-Lippe

Andrew HOLMES
Freier Architekt

anschließend Diskussion

Martin Töllner

Special Focus: Urban Emotions

3 April 2019, 11:00 – 12:30, Auditorium 4

Urban Emotions Project Makes Stress Perception of Pedestrians and Cyclists Measurable
Combination of Body Reaction and Position Data Provides Information on Perception of Spaces

Gefördert durch
DFG Deutsche Forschungsgemeinschaft

The Urban Emotions project of Karlsruhe Institute of Technology (KIT) develops methods to make these emotions measurable for later consideration in urban and spatial planning. Under stress conditions, the skin's conductivity increases, while the body's temperature decreases. These reactions of the body cannot be influenced. Their measurement, hence, enables objective determination of emotions. Apart from urban planners, psychologists, sociologists, and geoinformatics experts are involved in the international project funded by the German Research Foundation (DFG) and the Austrian Science Fund. Urban Emotions provides new insights into how people experience the city emotionally depending on the designof traffic areas, the size and distance of buildings, and the dynamics in a park or on a frequently used bicycle path.
Digital urban research under Urban Emotions helps identify and eliminate locations of fear in the city and may serve as a basis for citizen-centered spatial planning processes.
In a city, in which cyclists feel safe, more people will use the bicycle instead of a car. The partners of KIT in the Urban Emotions project are the University of Salzburg, Heidelberg University, the German Research Center for Artificial Intelligence Kaiserslautern, the Harvard-MIT GIS Center, and the University of São Paulo at São Carlos School of Engineering as well as TU Wien.

Special Focus: Education meets Research

These special focus presentations are highlighted with ★ in the detailed schedule.

"Education meets research" is a special topic during REAL CORP 2019 about project results from the so-called "arch.lab" platform. The task of this project is to develop and promote research-oriented study and teaching in the context of architecture and art history.

Within the framework of the federal-state program for improved study conditions and more quality in teaching (Qualitätspakt Lehre), support of students and teaching quality at universities are to be increased. The KIT - Lehre Forschung (Research-based Education) project is aimed at implementing academic education based on research throughout KIT. Students are to be integrated into research projects at an early stage and teaching quality is to be improved according to the principle of "research-based education". Students are encouraged to become independent thinkers and are able to identify the needs of action, deal with complex problems, and develop sustainable solutions [KIT Research-Based Education].

All the presented contributions contain research-led models and concepts in teaching with an innovative character, where researchers export their subject and institute-specific scientific approaches from current projects into student-oriented forms of teaching. Besides this approach, also design-based methods are on focus in this project to develop a context of "architectural knowledge". After a runtime of two years, design-based, artistic or experimental projects were developed with an interdisciplinary and transdisciplinary character and created the arch.lab. Structurally connected to the study commission and working across institutes, seminar concepts are supported by the department of didactics and scientifically supervised by the chair of teaching and learning research. Contributions out of this track are marked with research meets design and are integrated into workshop schedule.

Special Focus: Bilanzwirksame Zukunftspotenziale

3. April 2019, 14.00–16.00, Auditorium 4

Bilanzwirksame Zukunftspotenziale ermitteln und somit Chancen für Städte, Unternehmen und Bürgerinnen und Bürger identifizieren

Die klassische Wirtschaftsprüfung beschäftigt sich mit der Analyse von wirtschaftlichen Hard Facts wie Rechnungsprüfungsberichten, Bilanzen und ähnlichen Befunden und betrachtet Städte und Unternehmen in einem klar abgegrenzten Rahmen. Die Wirtschaftlichkeit des Status quo steht im Vordergrund und konzentriert sich auf Möglichkeiten, wie Prozesse innerhalb des Unternehmens optimiert werden können. Bei dieser Herangehensweise bleibt allerdings außer Acht, dass sowohl Städte als auch Unternehmen in ihrem wirtschaftlichen Umfeld eng eingebettet sind und Zusammenhänge unterschätzt werden, die eine ganze Region oder Branche umfassen können.

Georg Kolm, Geschäftsführer der Triple-A Analytics AG, und Prof. Dr. Heinz-Christian Knoll, Geschäftsführer der Knoll Reconstructuring Group GmbH, diskutieren über die Vorteile, die ein Potenzial-Gutachten mit sich bringt, um zukunftssichere und ertragreiche Geschäftsmodelle in einer ganzheitlichen Betrachtungsweise zu fördern.

Anhand der intelligenten Verkehrsmanagementtechnologie von Graphmasters werden Möglichkeiten vorgestellt, wie durch Partnerschaften ein für die Bürgerinnen und Bürger lebenswerter Raum geschaffen werden kann. Gemeinsam mit dem Potenzialgutachten können passende Unternehmen und Städte Teil des United-Smart-Cities-Programms werden, ein globales, innovatives Netzwerk für die smarte und nachhaltige Stadtentwicklung.

Triple A ® Triple-A shaping future

SUSTAINABLE DEVELOPMENT GOALS

UNITED SMART CITIES

graphmasters

ASTOC ARCHITECTS AND PLANNERS stands for architecture and urban planning in all scales. Since 1990 we have been realising projects in Germany and abroad, for both public and private clients. To date we have handled over 1500 projects and have 80 employees.

Although architecture and urban design are two separate and independent disciplines, each with its own set of demanding requirements, ASTOC has been able to combine them successfully in a host of projects. The advantage arising out of this for the client is our dual expertise: Our urban design projects benefit from our substantial experience in the conceptualisation and realisation of buildings, while, through our extensive knowledge of urban design issues and interrelationships, we are able to endow our building projects with a strong architectural personality, standing in perfect accord with their localities.

Many of our design projects have attracted a great deal of interest, at home and internationally. One example is Hamburg‘s HafenCity / Harbour City, the largest inner-city urban design project in Europe. Currently we are developing masterplans for the airports BER Berlin Brandenburg and Cologne-Bonn as well as creating affordable housing in german metropolises such das Cologne, Dusseldorf and Berlin. Our projects Grüner Weg and Buchheimer Weg Cologne have received multiple awards, for example the Deutscher Bauherrenpreis 2018. In Bern, we are realizing Switzerland‘s largest BIM project, the new main building BB12 for the Insel Hospital.

ASTOC
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Managing directors from left to right: Prof. Markus Neppl, Jörg Ziolkowski, Andreas Kühn, Ingo Kanehl, Prof. Oliver Hall, Peter Berner

CONFERENCE TIMELINE

Monday, 1 April 2019

16:30 – 20:00

Welcome Reception and Ice Breaking (16:30), afterwards Guided City Tour

Meeting Point: Architekturschaufenster Karlsruhe, Waldstraße 8

Welcome Address:
Manfred Schrenk, Conference Director
Peter Zeile, KIT – Karlsruhe Institute of Technology

Limited capacity, participants are asked to confirm attendance on MY.CORP.

Tuesday, 2 April 2019

09:00 – 10:00

Come Together, Registration, Morning Coffee
Location: conference venue, ground floor

10:00 – 12:00

Conference Opening

Welcoming Words and Introduction:

Manfred Schrenk, Conference Director, Lecturer TU Wien
Markus Neppl, KIT – Karlsruhe Institute of Technology, Head of Dept. of Urban Quarter Planning
Peter Zeile, KIT – Karlsruhe Institute of Technology, Dept. of Urban Quarter Planning

Keynote Speeches

Spatial Agenda Karlsruhe and International Activities
Anke Karmann-Woessner, City of Karlsruhe, Head of Urban Planning Department

Beyond all we Know about Cities – so far
Bernd Streich, Emeritus Professor, TU Kaiserslautern, Germany

Smart and Emotional Sustainable Cities
Pierre Laconte, President FFUE, Hon. Secretary UITP, Brussels, Belgium

12:00 – 13:00 **Lunch Break**

13:00 – 13:45

Keynote Speeches

The Return to the City State
Ismael Fernández Mejía, International Consultant, Former President ISOCARP, Mexico

Smart City or Urban Science?
Beniamino Murgante, Professor of Spatial Planning, University of Basilicata, Potenza, Italy

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

16:00 – 16:30 **Coffee Break**

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

from 18:30 **Evening Reception at "Alter Schlachthof Karlsruhe", Aurum Wine Bar**

CONFERENCE TIMELINE

Wednesday, 3 April 2019

Presentations (Parallel Sessions)	09:00 – 10:30
Coffee Break	10:30 – 11:00
Presentations (Parallel Sessions)	11:00 – 12:20
Pre-Lunch Keynote ***Urban Data Visualisations for Planners and Citizens*** **Till Nagel,** Professor for Visual Analytics, Hochschule Mannheim, DE	12:20 – 13:00
Lunch Break	13:00 – 14:00
Presentations (Parallel Sessions)	14:00 – 16:00
Coffee Break	16:00 – 16:30
Presentations (Parallel Sessions)	16:30 – 18:00
Informal Come-Together at "Badisch Brauhaus"	from 18:00

Thursday, 4 April 2019

Presentations (Parallel Sessions)	09:00 – 10:30
Coffee Break	10:30 – 11:00
Presentations (Parallel Sessions)	11:00 – 12:30
Pre-Lunch Keynote ***A Philosophy of the Future Urban and Regional Planning*** **Jelle Rijpma,** Strategisch adviseur/directeur-eigenaar Jelle Rijpma Advies, Eindhoven, NL	12:30 – 12:50
Lunch Break	12:50 – 14:00
Presentations (Parallel Sessions)	14:00 – 15:15
Summary, Closing Note, Final Discussion, Outlook	15:15 – 15:30
Visit of ZKM, Farewell Drink, Informal Conclusion	from 16:00

Friday, 5 April 2019

Post-Conference Excursion **Karlsruhe Underground:** Guided Tour through Karlsruhe's City Railway Tunnel building site Limited capacity, participants are asked to confirm attendance on MY.CORP.	from 09:30

REVIEWER TEAM AND PROGRAMME COMMITTEE

Al-Hokail, Abdulhakeem A.; Dr.	Urban Planner, Saudi Arabia	Dhahran, Saudi Arabia
Benedikt, Josef; Dr.	Geologic Dr. Benedikt, GIS & Fuzzy Logic	Vienna, AT
Beyer, Clemens; Dipl.-Ing.	CORP – Competence Center of Urban and Regional Planning	Vienna, AT
Bogdanovic, Ruzica; Prof.	University of Belgrade, Faculty for Transport & Traffic Engineering	Belgrade, Serbia
Börner, Wolfgang; Mag.	City of Vienna, Urban Archeology Division	Vienna, AT
Broschart, Daniel; Dr.-Ing.	Stadtplanungsamt Landberg am Lech	Landberg am Lech, DE
Dallhammer, Erich; Dipl.-Ing. Dr.	ÖIR – Österreichisches Institut für Raumplanung	Vienna, AT
Dorau, Uschi; Dipl.-Ing.	Freiland Umweltconsulting ZT GmbH	Vienna, AT
Dorner, Fabian; Dipl.-Ing.	Technische Universität Wien, Institute of Spatial Planning	Vienna, AT
Dörrzapf, Linda; Dipl.-Ing.	Technische Universität Wien, Institute of Spatial Planning	Vienna, AT
Elisei, Pietro; Dr.-Ing.	Urbasofia	Buchrest, Romania
Emberger, Günter; Prof. Mag. Dr.	Technische Universität Wien, Research Center of Transport Planning and Traffic Engineering	Vienna, AT
Engelke, Dirk; Prof. Dr.	Hochschule für Technik Rapperswil	Rapperswil, CH
Exner, Jan-Philipp; Dr.-Ing. MSc	Urban Planner, AWS Institute	Saarbrücken, DE
Fazekas, Stefan	Warp Innovation	Vienna, AT
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
Hanzl, Małgorzata; PhD	Technical University of Łódź	Łódź, Poland
Hauger, Georg; Prof. Dr.	Vienna University of Technology, Department of Spatial Planning	Vienna, AT
Höhl, Wolfgang; Prof. Dr.-Ing.	University of Applied Sciences Augsburg, Faculty of Design	Augsburg, DE
Klementschitz, Roman; Dr.	University of Natural Resources and Applied Life Sciences	Vienna, AT
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; DIpl.-Ing.	Fachhochschule Salzburg, Smart Buildings in Smart Cities	Salzburg, AT
Neuschmid, Julia; Mag.	IDC Austria	Vienna, AT
Ogra, Aurobindo	University of Johannesburg, Town and Regional Planning	Johannesburg, South Africa
Pfaffenbichler, Paul; Dipl.-Ing. Dr.	Vienna Univ. of Technology, Research Center of Transport Planning and Traffic Engineering	Vienna, AT
Pietsch, Matthias; Dipl.-Ing.	Hochschule Anhalt – Anhalt University of Applied Sciences	Bernburg, DE
Popovich, Vasiliy V.; Prof. Dr.	Russian Academy of Sciences, SPIIRAS, Head of OOGIS Laboratory	St. Peterburg, Russia
Provo, Lisa; MSc	KIT – Karlsruhe Institute of Technology, Department of Urban Quarter Planning	Karlsruhe, DE
Ryser, Judith; Arch	City Scope Europe, Urban Thinker	London, UK
Schrenk, Manfred; Dipl.-Ing.	CORP – Competence Center of Urban and Regional Planning	Schwechat, AT
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
Wankiewicz, Heidrun; Mag. Dr.	planwind.at – planning.management.research	Salzburg, AT
Wasserburger, Wolfgang W.; Dipl.-Ing.	AccessibleMap Association	Vienna, AT
Zeile, Peter; Dr.-Ing.	Karlsruhe Institute of Technology, Institute for Urban and Landscape Design | STQP	Karlsruhe, DE

Tuesday, 2 April 2019

Time	
09:00-10:00	**Registration, Come Together, Morning Coffee**
	Auditorium 1
10:00-12:00	**Welcome by Representatives of Organisers and Partners, Keynotes**

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

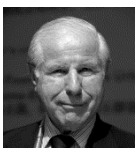
Markus NEPPL
KIT – Karlsruhe Institute of Technology, Head of Department of Urban Quarter Planning

Peter ZEILE
KIT – Karlsruhe Institute of Technology, Department of Urban Quarter Planning

Anke KARMANN-WOESSNER
City of Karlsruhe, Head of Urban Planning Department

Keynote: Spatial Agenda Karlsruhe and International Activities
Anke KARMANN-WOESSNER
City of Karlsruhe, Head of Urban Planning Department; Karlsruhe, Germany

Beyond all we Know about Cities – so far
Bernd STREICH
Emeritus Professor, TU Kaiserslautern, Germany



Keynote: Smart and Emotional Sustainable Cities
Pierre LACONTE
President FFUE, Hon. Secretary UITP, Brussels, Belgium

12:00-13:00	**Lunch Break**
13:00-13:45	**Keynotes**

Keynote: The Return tothe City State
Ismael FERNÁNDEZ MEJÍA
International Consultant, Former President ISOCARP, Mexico

Keynote: Smart City or Urban Science?
Beniamino MURGANTE
Professor of Spatial Planning, University of Basilicata, Potenza, Italy

Tuesday, 2 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 1	Auditorium 2
14:00-16:00	**Smart Solutions for Mobility Tasks** Chair: Linda DÖRRZAPF	**City Lights – Licht im öffentlichen Raum** Moderation: Martin TÖLLNER
	Smart Mobility: Technologies and Daily Routines Carolin SCHROEDER, Gabriele WENDORF TU Berlin, Zentrum Technik & Gesellschaft; Berlin, DE **The Potential of Using Volunteered Locational Data in Planning for Smart Multi-Mobility Systems** Thembani MOYO*, Walter MUSAKWA**, Alain KIBANGOU***, Trynos GUMBO**, Emaculate INGWANI**** * University of Johannesburg, Quality and Operations Management; Johanneburg, South Africa ** University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa *** Université Grenoble Alpes, Département Automatique; Saint Martin d'Hères, France **** University of Venda; Thohoyandou, South Africa **Preferences for Carsharing-Facilitated Neighbourhoods: a Latent-Class Model** Juan WANG, Gamze DANE, Harry TIMMERMANS Eindhoven University of Technology, Built Environment; Eindhoven, NL **Urban Logistics Micro Hubs: Standardisation Meets Uniqueness** Reinhold SCHODL*, Sandra EITLER*, Bernhard ENNSER*, Jürgen SCHRAMPF**, Gerda HARTMANN** * University of Applied Sciences BFI Vienna; Vienna, AT ** ECONSULT; Vienna, AT	**SPECIAL FOCUS** Rund um den Wechsel in das neue Jahrtausend war das Licht im öffentlichen Raum ein dominantes Thema. Städte entdeckten die Bedeutung des Lichts im öffentlichen Raum für sich. Die Qualität der Straßenbeleuchtung wurde hinterfragt, Energieeffizienz und Ökologie unterstrichen die Bedeutung des Themas. Viele Städte entwickelten eine Strategie zu Umgang mit dem Licht im öffentlichen Raum, vielerorts wurden Masterpläne für die Beleuchtung des öffentlichen Raumes und für die Anstrahlung bedeutender Bauwerke aufgestellt. Danach wurde es still um das Thema. Pläne wurden umgesetzt, die LED revolutionierte die Beleuchtung grundlegend. Manche Städte profitieren von den Anstrengungen der Zeit und setzen sie weiter um, andere gehen neue Wege und wieder andere haben das Thema einem Betreiberübertragen und ad acta gelegt. Dabei bieten sich gerade in der smarten Stadt ganz neue Möglichkeiten, mit Licht umzugehen, es bewusst einzusetzen, effizient zu steuern und Stimmungen zu wecken. Licht ist wichtig für die gefühlte Sicherheit. Der Verzicht auf Licht ist gut für die Umwelt. Diesem „Weniger ist mehr“ und „Qualität ist besser“ soll in dieser Session nachgespürt werden. Technik und Emotionalität sind die Themen des Stadtlichts am Anfang des 21. Jahrhunderts. **Vorträge von** **Felix NEUHOLD** Geschäftsführer Allstars Eventservice GmbH Direktor www.hannover-leuchtet.com **Rainer BARTH** Abteilungsleiter Stadtbeleuchtung, Stadt Leipzig, Verkehrs-und Tiefbauamt **Mary-Anne KYRIAKOU** Lehrstuhl Lichtgestaltung Hochschule Ostwestfalen-Lippe **Andrew HOLMES** FreierArchitekt **anschließend Diskussion**
16:00-16:30	**Coffee Break**	

Tuesday, 2 April 2019

Auditorium 3	Auditorium 4	Time
Smart Cities: Squaring the Circle? Chair: Dirk ENGELKE	**Smart Cities: the Case Studies I** Chair: Jan-Philipp EXNER	14:00-16:00
🏆**Real "Smart Cities": Insights from Civitas PROSPERITY** Irina ROTARU Cities on the Move; Bucharest, Romania 🏆**The Potential of Design Thinking for Tackling the "Wicked Problems" of the Smart City** Brita NIELSEN*, Daniela BAER**, Savis GOHARI*, Eivind JUNKER* * NTNU, Department of Architecture and Urban Planning; Trondheim, Norway ** SINTEF Building and Infrastructure Research Institute; Trondheim, Norway 🏆**Shared, Automated, Electric: the Fiscal Effects of the "Holy Trinity"** Mathias MITTEREGGER, Aggelos SOTEROPOULOS, Johann BRÖTHALER, Fabian DORNER Technische Universität Wien; Vienna, AT **Guideline towards Implementation of Smart City Initiatives** Vicente CARABIAS*, Jörg MUSIOLIK**, Evelyn LOBSIGER-KÄGI**, Pascal VÖGELI**, Anna KOHLER**, Onur YILDIRIM** * ZHAW Zurich University of Applied Sciences, School of Engineering; Winterthur, CH ** ZHAW Institut für Nachhaltige Entwicklung; Winterthur, CH Presentations marked with 🏆 are reviewed papers.	🏆**Spatial Pattern of Digital Divide in Turkey** Turgay Kerem KORAMAZ*, Somaiyeh NASROLLAHZADE**, Zeynep OZDEMIR** * Istanbul Technical University, Department of Urban and Regional Planning; Istanbul, Turkey ** Istanbul Technical University; Istanbul, Turkey 🏆**Smart Cities in India – Branded or Brain-Dead?** Vaishali AGGARWAL Bauhaus University; Urbanistik, Weimar; DE 🏆**Decoding Cities to Model (Assess and Redesign) them as Complex Urban Systems** Nicholas PATORNITI, Nicholas STEVENS Sippy Downs, Australia 🏆**Identifying the Possibilities of Integrating Speed Train and the Bus Rapid Transit System through Mobile Payment and Information Dissemination** Siphiwe MBATHA*, Trynos GUMBO** * University of Johannesburg, Quality and Operations Management; Johannesburg, South Africa ** University of Johannesburg, Department of Town and Regional Planning; Johannesburg, South Africa **BERiDE – Collaborative and Participatory Platform for Jakarta Smart City** Raja TARIGAN*, Arszandi PRATAMA** * Indonesian Association of Urban and Regional Planners (IAP), Secretary General of Jakarta Chapter; Jakarta, Indonesia ** PT Beride Karya Indonesia, Co Founder; Jakarta, Indonesia	
		16:00-16:30

TUESDAY
WEDNESDAY
THURSDAY

Tuesday, 2 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 1	Auditorium 2
16:30-18:00	**Smart Information Modelling** Chair: Peter ZEILE	**Städtische Strukturen** Moderation: Manfred SCHRENK
	Bright Cities and City Information Modeling Luigi MUNDULA*, Sabrina AUCI**, Emanuela QUAQUERO* * University of Cagliari; Cagliari, Italy ** University of Palermo; Palermo, Italy **New Assessment Method for Buildings and Districts towards "Net Zero Energy Buildings" Compatible with the Energy Scenario 2050** Simon SCHNEIDER*, Nadja BARTLMÄ**, Jens LEIBOLD*, Petra SCHÖFMANN***, Momir TABAKOVIC*, Thomas ZELGER* * FH Technikum Wien; Wien, AT ** Institute of Building Research & Innovation; Wien, AT *** UIV Urban Innovation Vienna GmbH; Wien, AT **Virtual Design and BIM in Architecture and Urban Design – Benefit for Urban Emotions Initiative** Peter ZEILE*, Ivonne ZELLING** * KIT, Architecture | STQP; Karlsruhe, DE ** KIT, Architecture | Building Lifecycle Management/ RBS wave GmbH; Karlsruhe/Ettlingen, DE **The Smart City, Integrated Design and Planning and Urban Tech** Iris BELLE Tongji University, College of Architecture and Urban Planning; Shanghai, China	**Heidelberg Hbf – BIM-Pilot:Weiterentwicklung Empfangsgebäude im städtischen Kontext** Jens AESCHE, Julian PRIFTI, Stephan BÖHNING DB Station&Service AG; Berlin, DE **Tunnel und unterirdische Infrastruktur – unabdingbar für das Funktionieren von Städten und Regionen** Frank SCHARRENBACH NET – New Environmental Technology; Mannheim, DE **Monitoring der Siedlungsstruktur – Methodik und Ergebnisse für Deutschland** Gotthard MEINEL Dresden, DE **Smart-City-Plattform, IoT – Herausforderungen für die Städte** Gerhard HARTMANN Magistrat der Stadt Wien, Magistratsabteilung 01; Wien, AT http:/live.corp.at LIVE CONFERENCE GUIDE
from 18:30	**Evening Reception at Aurum Weinbar, Alter Schlachthof Karlsruhe supported by ASTOC Architects and Planners**	ASTOC ARCHITECTS AND PLANNERS

Tuesday, 2 April 2019

Auditorium 3	Auditorium 4	Time
Smart Governance Chair: Pietro ELISEI	**Smart Cities: the Case Studies II** Chair: Beniamino MURGANTE	**16:30-18:00**
🏆**The Willingness of Dutch Citizens to Participate in a Prosumer Community: A Stated Choice Experiment** Gamze DANE, Aloys BORGERS, Luc DE VET, Wiet MAZAIRAC Eindhoven University of Technology; Eindhoven, NL	🏆**The Paths of History for Multicultural Tourism: a Smart Real World in the Metropolitan City of Cagliari (Italy)** Sonia PINTUS, Chiara GARAU, Pasquale MISTRETTA University of Cagliari, Dep. of Civil and Environmental Engineering and Architecture; Cagliari, Italy	
Ghent – Innovative Strategic Urban Development: New Transitions in the City and along the Old Dockyards Agnieszka ZAJĄC Sogent; Ghent, Belgium	🏆**Coworking Spaces and Urban Quality of Life in Istanbul** Elif KISAR KORAMAZ, Eda OZTURK Istanbul Commerce University; Istanbul, Turkey	
🏆 **Complexity, Governance and the Smart City** Domenico CAMARDA Polytechnic University of Bari; Bari, Italy	**Redefining Smart Cities – Tradition versus Branding – a Tale of Varanasi** Apurva TOMAR, Noopur GUPTA Madhav Institute of Technology and Science, Department of Architecture; Gwalior, India	
🏆**Smart City Governance in Practice – the Example of mySMARTLife Project in Hamburg** Jörg KNIELING, Katharina LANGE HafenCity-Universität Hamburg, Fachgebiet Stadtplanung und Regionalentwicklung; Hamburg, DE	🏆**Branding so Good: from Jeppestown to Maboneng Precinct** Bonolo LETLAPE*, Trynos GUMBO** * University of Johannesburg, Department of Town and Regional Planning; Doorfontein, South Africa ** University of Johannesburg, Town and Regional Planning; Doornfontein, South Africa	
Presentations marked with 🏆 are reviewed papers.		
https://alterschlachthof-karlsruhe.de/ **https://www.astoc.de/**		**from 18:30**

TUESDAY
WEDNESDAY
THURSDAY

Wednesday, 3 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 1	Auditorium 2
09:00-10:30	**Real Estate in Spatial Planning** Chair: Agnieszka ZAJĄC	**Smarte Infrastrukturnetze** Moderation: Wolfgang W. WASSERBURGER
	Church Buildings as a Driver in the Real Estate Development of Cities Stefan NETSCH Fachhochschule Salzburg; Salzburg, AT **Sustainable Real Estate Development in the Age of E-commerce – Implications of the Structural Change and resulting changed Requirements for Retail Property** Josef ZIMMERMANN, Kilian BURKHOLZ Technical University of Munich, Chair of Construction Process Management and Real Estate Development; München, DE **Searching for Property Right for the Homeless in a Mega City – Will House Sharing in a Social Housing Work?** Solomon AKINBOGUN*, Clinton AIGBAVBOA*, Trynos GUMBO** * University of Johannesburg, Department of Construction Management and Quantity Surveying; Johannesburg, South Africa ** University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa **Understanding the Design and Implementation of Land Improvement Syndicates (LIS): A Transaction Costs Analysis Framework** François-Xavier VIALLON*, Sina SHAHAB** * University of Lausanne, Swiss Graduate School of Public Administration; Lausanne, CH ** University of Cardiff, School of Geography and Planning; Cardiff, UK **Sanctions, Money Laundering, and the Real Estate Sector** Lucia CIZMAZIOVA Civil Forum for Asset Recovery; Berlin, DE	**Automatisiert Bewegen durch Stadt und Land – gesellschaftliche Implikationen der Implementierung von ITS-Technologien in das Verkehrsgeschehen des zukünftigen Mobilitätssystems** Heinz DÖRR, Viktoria MARSCH, Andreas ROMSTORFER arp-planning.consulting.research; Wien, AT **Implementierung eines Werkzeuges zur Interpretation von Versorgungsnetzen aus dem Programmsystem STANET®** Melanie RIESTER, Andreas GEIGER Karlsruher Institut für Technologie (KIT), Institut für Automation und angewandte Informatik (IAI); Eggenstein-Leopoldshafen, DE **Smart Governance – Werkzeuge für integrierte Prozesse im Verkehrsmanagement** Stefan KOLLARITS*, Andreas KÖGLMAIER**, Thomas EPP***, Katharina GRUNDEI* * PRISMA solutions; Mödling, AT ** PTV Group; Karlsruhe, DE *** PTV Group; Wien, AT **Siedlungsgebundene Unterflur-Überwärmung und deren Risikopotenzial für Infrastruktur und Gesundheit** Sascha HENNINGER, Martin FABISCH Technische Universität Kaiserslautern, Physische Geographie; Kaiserslautern, DE
10:30-11:00	**Coffee Break**	

Wednesday, 3 April 2019

Auditorium 3	Auditorium 4	Time
Integration of Non-Motorised Traffic Chair: Fabian DORNER	**Tools for Digitisation of Planning** Chair: Jan-Philipp EXNER	09:00-10:30
🏆**Road Safety from Cyclist's Perspective** Magdalena SCHMIDKUNZ*, Olaf SCHROTH*, Peter ZEILE**, Ulrich KIAS* * Weihenstephan-Triesdorf University of Applied Sciences, Department of Landscape Architecture; Freising, DE ** KIT, Institute for Urban and Landscape Design | STQP; Karlsruhe, DE 🏆 **Walk & Feel – a New Integrated Walkability Research Approach** Linda DÖRRZAPF*, Peter ZEILE**, Ulrike BROCZA***, Yannik SCHWOMMA***, Bernd RESCH****, Anna KOVÁCS-GYŐRI****, Martin BERGER* * TU Wien, Institut für Raumplanung; Wien, AT ** Karlsruher Institute of Technology, Faculty of Architecture; Karslruhe, DE *** PRISMA solutions EDV-Dienstleistungen GmbH; Mödling, AT **** University of Salzburg, Department of Geoinformatics – Z_GIS; Salzburg, AT **Neighbourhood Walkability Assessment in Tianjin, China: Needs to be Analyzed from a Complex System Perspective** Guanqiong CHE*, Baoxing QIU** * Tianjin University, Cardiff University, Geography and Planning; Cardiff, UK ** Tianjin University, Architecture; Tianjin, China 🏆**Mapping the Spatial Integration of Motorised and Non-Motorised Transport Infrastructures: a Case Study of the City of Johannesburg** Brightnes RISIMATI*, Trynos GUMBO** * University of Johannesburg, Department of Operations Management; Johannesburg, South Africa ** University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa	🏆**Linking Urban Regeneration to Sustainable Urban Development of Smart Cities** Mai ABDO*, Hassan ABDEL-SALAM**, Hany AYAD**, Dina TAHA** * Alexandria University, Faculty of Engineering, Architectural Department – Urban Design; Alexandria, Egypt ** Alexandria University, Faculty of Engineering, Architectural Engineering Department; Alexandria, Egypt 🏆**Requirements for Reliable and Flexible Smart Grids as Energy Networks in Smart Cities** Jan-Philipp EXNER, Maximilian DEROUET, Christian LINN, Dirk WERTH AWS-Institut für digitale Produkte und Prozesse gGmbH; Saarbrücken, DE **The Role of ICT in Mapping Resources for Sustainable Historic Urban Regeneration: Case Studies of Amsterdam and Salerno** Lu LU, Nadia PINTOSSI, Gamze DANE, Ana PEREIRA RODERS Eindhoven University of Technology; Eindhoven, NL **Dimensions of Development Framework for Compliance, Monitoring and Enforcement of Spatial Planning and Land Use Management System** Aurobindo OGRA University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa Presentations marked with 🏆 are reviewed papers.	
		10:30-11:00

TUESDAY
WEDNESDAY
THURSDAY

Wednesday, 3 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 1	Auditorium 2
11:00-12:20	**Holistic Smart City Approaches** Chair: Uschi DORAU	**Den Kontext der Stadt decodieren** Moderation: Dirk ENGELKE
	Abstract Smart Space and Concrete Risks Ulrich UFER*, Sadeeb OTTENBURGER** * Karlsruhe Institute of Technology, ITAS; Karlsruhe, DE ** Karlsruhe Institute of Technology, IKET; Karlsruhe, DE **Establishing an Integrated Monitoring Concept for the Vienna Lighthouse Project Smarter Together** Ali HAINOUN, Hans-Martin NEUMANN, Nadine SCHNEEBERGER AIT Austrian Institute of Technology GmbH, Sustainable Buildings and Cities, Center for Energy; Vienna, AT **CRISALIDE: Searching for Smart Solutions in Urban Development beyond the Political Slogans: a Case of Rostov-on-Don, Southern Russia** Elena BATUNOVA, Sergey TRUKHACHEV Southern Urban Planning Center; Rostov-on-Don, Russia **Lifestyles, New Uses, and the Redevelopment of Industrial Heritage Sites: A Case Study of Strijp-S, Eindhoven** Gamze DANE, Aloys BORGERS, Femke TILMA Eindhoven University of Technology; Eindhoven, NL Presentations marked with ★ are part of the special focus "Education meets Research" (more info on page 8)	**Potenziale von Open Data in der Stadtentwicklung – eine Rekonstruktion sozialer Milieus aus öffentlichen Daten-beständen** Marvin GUTH*, Alexandra LINDNER** * Hochschule Bochum, Fachbereich Geodäsie; Bochum, DE ** Hochschule Bochum, Dezernat Forschungsförderung; Bochum, DE ★ **Archiv und Wirklichkeiten – Wissensproduktion zwischen Objektivität und Kontextualität** Manuela GANTNER KIT, EKUT Architekturtheorie; Karlsruhe, DE ★ **Die räumliche Dimension residenzieller Multilokalität, ein prädestiniertes thematisches Bindeglied zwischen Forschung und Lehre** Markus KALTENBACH KIT, IESL/RBL; Karlsruhe, DE **Nachhaltige Transformation urbaner Räume: Eine produktive Stadt – eine lebenswerte Stadt?** Sarah WESTHOFF*, Alexandra LINDNER** * Hochschule Bochum, Fachbereich Geodäsie; Bochum, DE ** Hochschule Bochum, Dezernat Forschungsförderung; Bochum, DE
12:20-13:00	 **Pre-Lunch Keynote** **Urban Data Visualisations for Planners and Citizens** Till NAGEL Professor for Vísual Analytics, Hochschule Mannheim, DE **Auditorium 1** Teaser: **United Smart Cities: Smart & Innovative Urban Development for a Sustainable Future** Ben LEITNER M.A., Head of United Smart Cities at Triple-A, www.triple-a.ag/unitedsmartcities/ Teaser: **The Electric Traffic Jam** Sebastian HEISE COO und Gründer von Graphmasters	
13:00-14:00	**Lunch Break**	

Wednesday, 3 April 2019

Auditorium 3	Auditorium 4	Time
Smart Mobility: the Case Studies Chair: Fabian DORNER	**Urban Emotions** Chair: Peter ZEILE	11:00-12:20
🏆**Establishing the State of Spatial Integratedness of Innovative Public Transport Systems in Gauteng, South Africa** Siphiwe MBATHA, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa 🏆**Examining the Effectiveness of City of Johannesburg's Policy and Legislative Frameworks in Inform Development and Operation of Integrated Public Transport Systems** Brightnes RISIMATI*, Trynos GUMBO** * University of Johannesburg, Quality and Operations Management; Johannesburg, South Africa ** University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa **Using Co-Creation Methods to Solve Mobility Problems in Brussels** Jesse PAPPERS, Imre KESERÜ, Cathy MACHARIS Vrije Universiteit Brussel (VUB), Mobility, Logistics and Automotive Technology Research Centre (MOBI); Brussels, Belgium **Smart Parking Policy in Varna, Bulgaria** Lucia ILIEVA CSDCS; Sofia, Bulgaria	**SPECIAL FOCUS** **Urban Emotions – an Introduction** Peter ZEILE KIT, Stadtquartiersplanung (STQP); Karlsruhe, DE 🏆**The Role of Spirit of Place to Achieve Emotional Smart City** Noor ALKAMOOSI, Mohammed Qasim AL-ANI Al-Nahrain University, Baghdad, Iraq 🏆**Immersive Imagination in Urban Oases of Mindfulness: The VR-SenseCity Toolbox for Sensible, Emotional and Measurable Experiences in Future Smart Cities** Lucas PALETTA*, Andrea GRABHER**, Amir DINI***, Marlene MAYR**, Anna TABERHOFER**, Edina POKVIC*, Wolfgang GUNZER****, Rene PILZ**** * JOANNEUM RESEARCH, Institute DIGITAL; Graz, AT ** GEFAS STEIERMARK; Graz, AT *** Graz University of Technology; Graz, AT **** FH JOANNEUM, Health Perception Lab; Graz, AT **Smart and Emotional – the City as a Work of Art** Alexandr KOLONTAY GAU Institute of the General Plan of Moscow, Russia 🏆**Isovist and Psycho-Physiological Stress at the Pedestrian Level: A Real-Time Measurement Case Study in a High-Density City** Luyao XIANG*, Georgios PAPASTEFANOU** * The Chinese University of Hong Kong, China ** Leibniz Institute for the Social Sciences, Mannheim, DE	
		12:20-13:00
		13:00-14:00

TUESDAY
WEDNESDAY
THURSDAY

Wednesday, 3 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 1	Auditorium 2
14:00-16:00	**City of Things or City for People?** Chair: Pietro ELISEI	**Innovative Mobilität** Moderation: Peter ZEILE
	🏆From Festivalisation of Public Space to the Right to Public Space: Deconstructing Social Infrastructure as a Conceptual Framework for the Town Hall Square in Vienna Astrid KRISCH, Karin HILTGARTNER TU Wien, Institute of Spatial Planning, Research Unit of Public Finance and Infrastructure Policy; Wien, AT **🏆City OF Things or City FOR People?** Judith RYSER City Scope Europe, Urban Thinker; London, UK **IOT or CoPe? Reflections on the SMART City as Experiment between Technical Discipline and Societal Insurgence?** Peter ACHE Radboud University, IMR; Nijmegen, NL **★ no_faq. Artistic Research and the Potentials of Displaying as a Collective Research Tool** Fanny KRANZ KIT Karlsruhe, Fakultät für Architektur, Fachgebiet Bildende Kunst; Karlsruhe, DE What's coming up next? Our live conference guide http://live.corp.at has the answer Presentations marked with ★ are part of the special focus "Education meets Research" (more info on page 8)	**🏆 EmoCycling – individuelles Sicherheitsempfinden von Radfahrenden in Karlsruhe** Ida ROCKENBACH*, Clotilde MINSTER**, Peter ZEILE*** * Universität Hamburg, Sozialökonomie; Hamburg, DE ** KIT, Institut für Verkehrswesen IfW; Karlsruhe, DE *** KIT, Institut für Entwerfen von Stadt und Landschaft IESL | Stadtquartiersplanung STQP; Karlsruhe, DE **🏆 Potenziale für den Einsatz gemeinschaftlich genutzter autonomer Fahrzeuge im ländlichen Raum** Roman KLEMENTSCHITZ*, Maria ANGERER**, Alfons BAUERNFEIND**, Tobias HAIDER***, Philipp HAYDN*** * Universität für Bodenkultur, Institut für Verkehrswesen; Wien, AT ** Institut für partizipative Sozialforschung; Wien, AT *** mobyome; Wien, AT **Regiomove** Frank PAGEL Karlsruher Verkehrsverbund GmbH, Projektleiter Regiomove; Karlsruhe, DE **🏆 Innovation im Mobilitätssharing – Einsatz von partizipativen Methoden** Vanessa SODL*, Linda DÖRRZAPF*, Michael HABIGER**, Hilda TELLIOGLU**, Marlene WAGNER**, Martin BERGER* * Technische Universität Wien, Institut für Raumplanung; Wien, AT ** Technische Universität Wien, Forschungsbereich Multidisciplinary Design and User Research; Wien, AT **🏆 Peer-to-Peer-Lastenrad-Sharing – Perspektiven verschiedener Zielgruppen** Fabian DORNER, Martin BERGER Technische Universität Wien, Institut für Raumplanung; Wien, AT
16:00 16:30	**Coffee Break**	

Wednesday, 3 April 2019

Auditorium 3	Auditorium 4	Time
ICT and Information Systems in Smart Planning Chair: Beniamino MURGANTE	**Bilanzwirksame Zukunftspotenziale** Chair: Stefan FAZEKAS	14:00-16:00
🏆CRISALIDE – Concept of Corporative Information System for Governance and Management of Digital City Pietro ELISEI*, Vasily POPOVICH**, Manfred SCHRENK*** * EEC UIA Programme International Expert; Bucharest, Romania ** SPIIRAS – Hi Tech Research and Development Office Ltd.; St.Petersburg, Russia *** CORP – Consulting Research Projects; Schwechat, AT **Enhancing Citizen Participation through Serious Games in Virtual Reality** Mirjam WEST*, Onur YILDIRIM*, Aislinn E. HARTE**, Adam RAMRAM**, Nicholas Whitney FLEURY**, Vicente CARABIAS* * ZHAW Zürcher Hochschule für Angewandte Wissenschaften, School of Engineering; Winterthur, CH ** Worcester Polytechnic Institute; Worcester, MA, USA **🏆A Conceptual Framework for the Utilisation of ICT in Participatory Planning** Seyed Taher KHALILNEZHAD Kaiserslautern, DE **🏆Ontology-based Model of a Smart City** Oksana SMIRNOVA, Tatiana POPOVICH SPIIRAS – Hi Tech Research and Development Office Ltd.; St.Petersburg, Russia **Urban Co-creation in the Digital Age – Mobile Participation and its Socio-cultural Context** David CALAS TU Wien/Studio Calas; Vienna, AT Presentations marked with 🏆 are reviewed papers.	**SPECIAL FOCUS** **Bilanzwirksame Zukunftspotenziale ermitteln und somit Chancen für Städte, Unternehmen und Bürgerinnen und Bürger identifizieren** **Mobilität heißt Bewegung: Intelligente Technologien in Städten für Menschen – wollen wir elektrisch im Stau stehen?** Sebastian HEISE COO und Gründer von Graphmasters **Die Potenzialanalyse als Entscheidungs-grundlagefür Städte und Unternehmen zugunsten lebenswerter Stadtentwicklung** Prof. Dr. Heinz-Christian KNOLL*, Georg KOLM** * Partner der kbs Knoll Beck AG ** Geschäftsführer von Triple-A **Panel-Diskussion: Wirksame Partner-schaften fürEmotional Cities** Sebastian HEISE*, Prof. Dr. Heinz-Christian KNOLL**, Georg KOLM***, Ben LEITNER M.A.**** * COO und Gründer von Graphmasters, ** Partner der kbs Knoll Beck AG, *** Geschäftsführer von Triple-A, **** Head of United Smart Cities at Triple-A Triple A ® Triple-A shaping future graphmasters	
		16:00-16:30

TUESDAY
WEDNESDAY
THURSDAY

Wednesday, 3 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 1	Auditorium 2
16:30-18:00	**The Way to Human Satisfaction** Chair: Judith RYSER	**Tools für nachhaltige Entwicklung** Moderation: Jan-Philipp EXNER
	Urban Densification and Urban Climate Change – Assessing Interaction through Densification Scenarios and Climate Simulations Wolfgang LOIBL*, Ghazal ETMINAN*, Doris OESTERREICHER**, Matthias RATHEISER***, Romana STOLLNBERGER*, Simon TSCHANNETT***, Tanja TÖTZER*, Milena VUCKOVIC*, Karoline WALAL* * AIT Austrian Institute of Technology; Vienna, AT ** Univ. of Natural Resources & Life Sciences; Vienna, AT *** Weatherpark GmbH; Vienna, AT ★**Integrating Human Satisfaction into the Design Phase – Generating Motivation and Knowledge in Architectural Education** Marcel SCHWEIKER, Cornelia MOOSMANN, Andreas WAGNER Karlsruhe Institute of Technology, Building Science Group; Karlsruhe, DE **The Assessment and Mapping of Urban Visual Pollution through an Assembly of Open Source Geospatial Tools** Khydija WAKIL*, Malik Asghar NAEEM*, Abdul WAHEED*, Ghulam ABBAS ANJUM**, Muhammad Jamaluddin THAHEEM*, Muhammad QADEER UL HUSSNAIN* * National University of Sciences and Technology; Islamabad, Pakistan ** University of Engineering and Technology, Department of City and Regional Planning; Lahore, Pakistan **Future Generation Cities: Open-Ended and Human Friendly** Aleksandr IZAROV KVV, Architect Team; Kyiv, Ukraine	**50.000 – Raumbilder für Mittelstädte aus Open-Data-basierten Analyse- und Entwurfsexperimenten** Martin BERCHTOLD Technische Universität Kaiserslautern, Fachbereich Raumplanung, dvmP; Kaiserslautern, DE **Der Mensch als Sensor im Kontext der digitalen und sensorgestützten Präventionsassistenz – Grundlagen und Anwendungsszenarien für das Bauhandwerk** Jan-Philipp EXNER, Maximilian DEROUET, Dirk WERTH AWS-Institut für digitale Produkte und Prozesse gGmbH; Saarbrücken, DE **Die Zukunft liegt im ländlichen Raum!** Jeff MIRKES, Markus NEPPL, Peter ZEILE Karlsruher Institut für Technologie, Stadtquartiersplanung (STQP); Karlsruhe, DE **Fablabing the Cherrycake – über die Baukultur des ländlichen Raumes im digitalen Zeitalter** Matthias STIPPICH Karlsruher Institut für Technologie, Stadtquartiersplanung; Karlsruhe, DE **Erfolgsfaktoren und Hemmnisse zur Realisierung urbaner Produktion in Reallaboren** Marcel SCHONLAU*, Kerstin MEYER**, Alexandra LINDNER*** * Hochschule Bochum, Geodäsie; Bochum, DE ** Institut Arbeit und Technik, Raumkapital; Gelsenkirchen, DE *** Hochschule Bochum, Dezernat Forschungsförderung; Bochum, DE
from 18:00	**Informal Get-Together at Badisch Brauhaus**	

Wednesday, 3 April 2019

Auditorium 3		Time
Data for Digital Development Chair: Manfred SCHRENK	**Impressions from REAL CORP 2018 in Vienna**	16:30-18:00

🏆ESPRESSO – systEmic Standardisation apPRoach to Empower Smart citieS and cOmmunities
Martin FABISCH, Sascha HENNINGER
Technische Universität Kaiserslautern, Physische Geographie; Kaiserslautern, DE

CentropeMAP – Working with Cross-Border Statistical Data
Clemens BEYER, Manfred SCHRENK
CORP – COnsulting Research Projects; Vienna, AT

🏆Usability of Open Data for Smart City – Evaluation of data, Development of Application and Creation of Visual Dashboards
Stephan LEHMLER*, Syed Monjur MURSHED*, Louise ANSART**, Yao SHEN***
* EIFER; Karlsruhe, DE
** CentraleSupélec; Gif-sur-Yvette, France
*** KIT; Karlsruhe, DE

Structuring Spatial Planning Data Repository for Smart Urban Planning
Aurobindo OGRA
University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa

Presentations marked with 🏆 are reviewed papers.

https://www.badisch-brauhaus.de/	from 18:00

TUESDAY
WEDNESDAY
THURSDAY

Thursday, 4 April 2019

Time	Auditorium 4	Auditorium 2
09:00-10:30	**Feel Good Environments** Chair: Peter ZEILE	**Daten- und Informationsquellen für die Planung** Moderation: Wolfgang W. WASSERBURGER
TUESDAY WEDNESDAY THURSDAY	🏆**Sustainable Urban Development by Expanding the Green Roofs to Improve the Urban Environment Quality (Case Study: Karaj, the fourth most populous City in Iran)** Sascha HENNINGER, Maral ABOLGHASEMI MOGHADDAM TU Kaiserslautern, Physische Geographie; Kaiserslautern, DE **Acoustic Quality and Health in Urban Environments – The SALVE Project** Susanne MOEBUS*, Bryce LAWRENCE**, Robynne SUTCLIFFE*, Salman AHMED*, Timo HASELHOFF*, Dietwald GRUEHN** * Institute for Medical Informatics Biometry and Epidemiology, Center for Urban Epidemiology; Essen, DE ** TU Dortmund, Department of Landscape Ecology and Landscape Planning; Dortmund, DE **Smart Integrated Ecological Approach for Geelong, Australia** Hisham ELKADI University of Salford, Dean of The School of the Built Environment; Salford, UK 🏆**A Smart Home Network for Proactive Users** Martina BOTTICELLI*, Francesca DIONISI**, Andrea MONTERIÙ*, Sabrina ROMANO** * Marche Polytechnic University, Department of Information Engineering; Ancona, Italy ** ENEA, DTE SEN SCC; Rome, Italy Presentations marked with 🏆 are reviewed papers.	🏆 **Entwicklung eines Planungs- und Entscheidungsunterstützungssystems als Baustein für Smart Regions** Matthias HENNING*, Matthias PIETSCH*, Jana SCHLAUGAT** * Hochschule Anhalt; Bernburg, DE ** Prof. Hellriegel Institut e.V.; Bernburg, DE 🏆★ **Bau auf! Kreislaufgerechte Architektur in der Lehre** Sandra BÖHM, Dirk E. HEBEL KIT Karlsruhe, Fachgebiet Nachhaltiges Bauen; Karlsruhe, DE **Nachhaltigkeitsindikatoren für die stadtregionale Entwicklung** Dominik WEISS*, Frauke REHORST**, Theo KÖTTER** * Universität Bonn, Professur Städtebau und Bodenordnung; Bonn, DE ** Universität Bonn; Bonn, DE 🏆★ **Das UrbanLab:Arrecife als architekturwissenschaftlicher Beitrag zur Erforschung transformativer Prozesse im urbanen Kontext** Susanne GERSTBERGER Karlsruhe Institute of Technology, Landscape Architecture; Karlsruhe, DE Presentations marked with ★are part of the special focus “Education meets Research” (more info on page 8)
10:30-11:00	**Coffee Break**	

Thursday, 4 April 2019

Auditorium 3		Time
Tradition vs. Branding Chair: Agnieszka ZAJĄC		09:00-10:30

🏆Values of our "Home" as Fraudulent Friends – Home as a Confidence-Building Element in Corrupt Transactions
Max Friedrich BERGMANN
Düsseldorf, DE

Insane Cities and the Creation of Stereotypes for Cultural Identity
Claudia MACÍAS-CARRILLO
UAEM, Nurse Faculty; Col. Volcanes, Cuernavaca; Morelos, Mexico

How to Meet the City – Urban Spaces for Friendly Encounters
Tobias BALDAUF, Tatjana OKRESEK-OSHIMA, Marie-Theres OKRESEK, Rupert HALBARTSCHLAGER
bauchplan).(; Munich, DE

The City as the Place of Augmented Imagination
Olivier LEFEBVRE
Olivier Lefebvre Consultant; Paris, France

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		10:30-11:00

TUESDAY
WEDNESDAY
THURSDAY

Thursday, 4 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 4	Auditorium 2
11:00-12:30	**Dark Side of the City and Phoenix from the Ashes** Chair: Judith RYSER	**Digitale Tools in der räumlichen Planung** Chair: Wolfgang W. WASSERBURGER
	🏆**Not Our Land: An Analysis of a Socially Dysfunctional Community in El Fayrouz, Red Sea Region, Egypt** Hellen AZIZ, Asmaa ABDELRAZZAK ABDELHALIM, Ahmed MOKHTAR, Salma ELLAKANY, Bendith LY TU Berlin, Urban Development Department; Berlin, DE	🏆 **Systemische Vernetzung urbaner und ländlicher Räume – Erkennen, Formulieren, Entwerfen** Katharina GRAF, Petra VON BOTH Karlsruher Institut für Technologie (KIT), Fachgebiet Building Lifecycle Management (BLM); Karlsruhe, DE
	🏆**Incongruities of a Socialistic Smart City: a Case of Area Based Development in T. T. Nagar, Bhopal** Akhilesh SINGH SHISODIA*, Ananya SHARMA ** * School of Planning and Architecture, Bhopal, Urban Planning; Bhopal, India ** School of Planning and Architecture, Bhopal, Architecture; Bhopal, India	🏆 **Semiautomatisches Verfahren zur Ableitung von Baublöcken** Thorsten KELM, Marcel SCHONLAU, Nathalie PITZ, Ulrike KLEIN Hochschule Bochum, Fachbereich Geodäsie; Bochum, DE
	🏆**Activated Brownfield in Baghdad: Contaminated Sites as a Model** Mays HAMDAN, Shaimaa HUSSEIN Al-Nahrain University, Architecture; Baghdad, Iraq	🏆 **Integriertes Monitoring als Werkzeug einer nachhaltigen Stadtentwicklung** Marcel SCHONLAU*, Christian DANNOWSKI-BUHREN*, Marvin GUTH*, Ulrike KLEIN*, Alexandra LINDNER** * Hochschule Bochum, Geodäsie; Bochum, DE ** Hochschule Bochum, Dezernat Forschungsförderung; Bochum, DE
	Presentations marked with 🏆 are reviewed papers.	IS THIS THE REAL WORLD? Perfect Smart Cities vs. Real Emotional Cities
12:30-12:50	**Pre-Lunch Keynote** **A Philosophy of the Future Urban and Regional Planning** Jelle RIJPMA Strategisch adviseur/directeur-eigenaar Jelle Rijpma Advies, Eindhoven, NL	Auditorium 4
12:50-14:00	**Lunch Break**	

Thursday, 4 April 2019

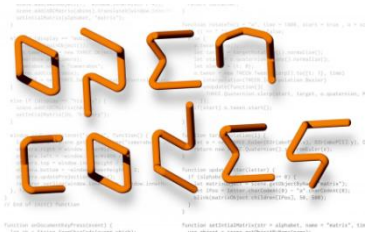
Auditorium 3		Time
The Dynamics of Land Use and Physical Space Chair: Peter ZEILE	**Impressions from REAL CORP 2018 in Vienna**	11:00-12:30
🏆**Land Use and Physical Structure Changes: An Expo of Maboneng Precinct** **Bonolo LETLAPE, Trynos GUMBO** University of Johannesburg, Department of Town and Regional Planning; Doorfontein, South Africa **Investigating Urban Growth Dynamic – Land Surface Temperature Relationship** **Lucia SAGANEITI, Angela PILOGALLO, Francesco SCORZA, Beniamino MURGANTE** University of Basilicata, Laboratory of Urban and Regional Systems Engineering; Potenza, Italy 🏆**The Politics of Digitized Boundaries in Vhembe District Municipality of South Africa** **Emaculate INGWANI*, Rendani MUSETHA*, Trynos GUMBO**, Thembani MOYO***** * University of Venda, Urban and Regional Planning; Thohoyandou, South Africa ** University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa *** University of Johannesburg, Quality and Operations Management; Johannesburg, South Africa	 	
		12:30-12:50
		12:50-14:00

Thursday, 4 April 2019

TUESDAY

WEDNESDAY

THURSDAY

Time	Auditorium 4	Auditorium 2
14:00-15:15	**Smart Landscape Planning** Chair: Manfred SCHRENK	
	🏆**The Development of an E-Participation Platform for Rural Areas in the Study Area of Niedernhall** Patrick WÜRSTLE, Thunyathep SANTHANAVANICH, Volker COORS Hochschule für Technik Stuttgart, Faculty for Geomatics, Computer Science and Mathematics; Stuttgart, DE ★ **EcoID: Landscape as Urban Identity** Susanne GERSTBERGER Karlsruhe Institute of Technology, Landscape Architecture; Karlsruhe, DE 🏆**A Geo-Spatial Information Model for Rurban Planning** Arpita BANERJEE*, Mahavir PRASAD*, Kusum Lata KHURANA** * School of Planning and Architecture, Physical Planning; New Delhi, India ** Indian Institute of Public Administration, Centre for Urban Studies; New Delhi, India Presentations marked with ★ are part of the special focus "Education meets Research" (more info on page 8)	
15:15-15:30	**Summary, Closing Note, Final Discussion, Outlook**	Auditorium 4
from 16:00	 **Visit of ZKM (https://zkm.de/)** **Exhibition "Open Codes. The World as a Field of Data"** **Farewell Drink** (Image source: https://zkm.de/en/exhibition/2017/10/open-codes)	

Thursday, 4 April 2019

Auditorium 3		Time
Effects of Smart Actions Chair: Judith RYSER	**Impressions from REAL CORP 2018 in Vienna**	14:00-15:15
🏆**Single and Double Loop Learning in Rotterdam Makers District: The Future of Urban Development and the Resilient City** **Gert-Joost PEEK, Kees STAM** Rotterdam University of Applied Sciences, Research Centre for Sustainable Port Cities; Rotterdam, NL 🏆**Enhanced Economic Typology for Spatial Economic Policy** **Federico GIARETTA*, Inge PENNINCX**, Sophie DE MULDER**, Jan ZAMAN**** * Architecture Workrooom Brussels; Brussels, Belgium ** Environment Department Flanders; Brussels, Belgium 🏆**Exploring Barrier-Free as a Catalyst to Smart Cities Initiatives in Sub Saharan Africa** **Joseph Agyei DANQUAH, Alexander Boakye MARFUL, Daniel DUAH** Kwame Nkrumah University of Science and Technology, Architecture; Kumasi, Ghana Presentations marked with 🏆 are reviewed papers.	 	
afterwards public transport ride to ZKM (tickets to be obtained individually)		

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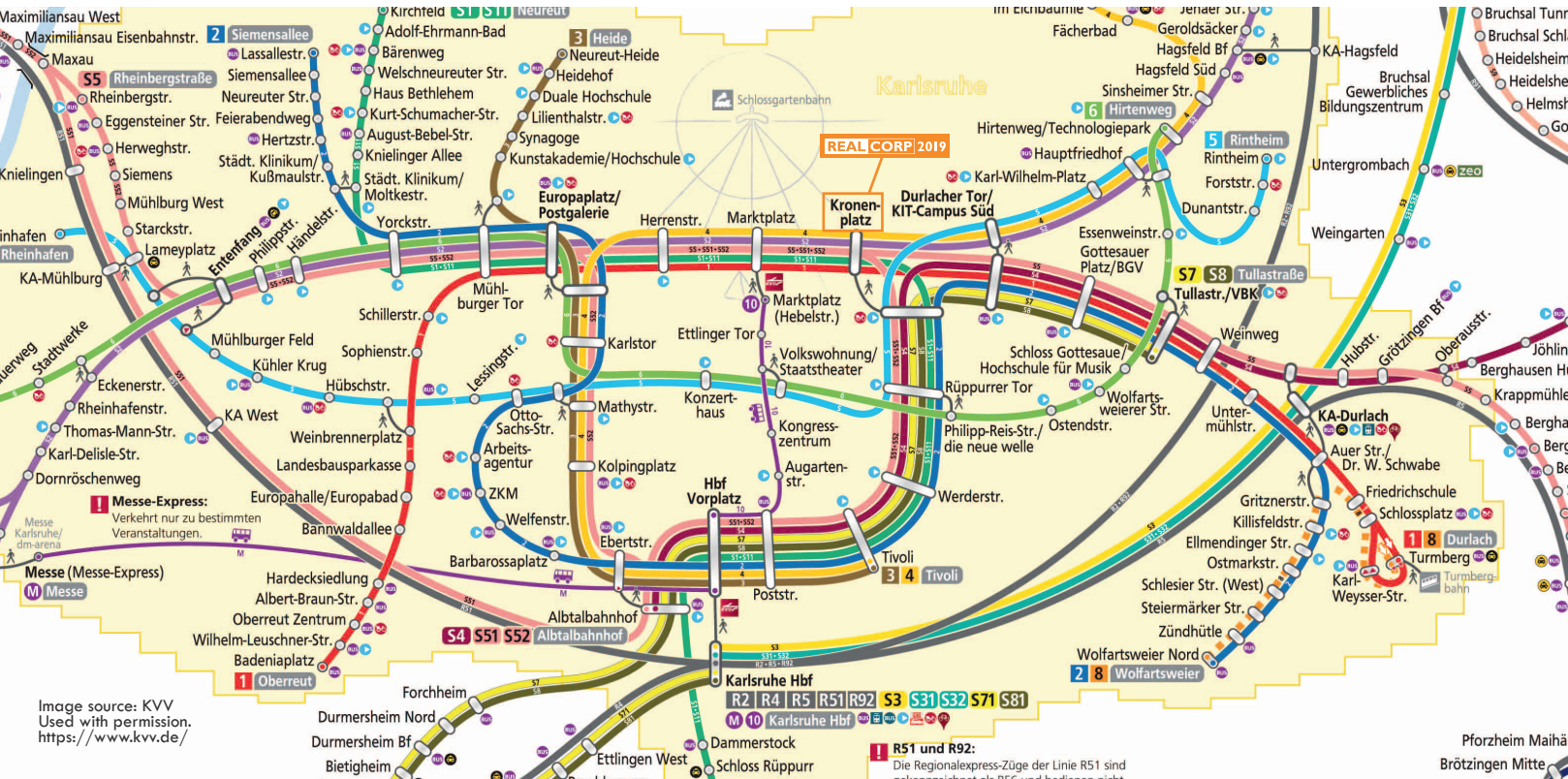
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