

REAL CORP 2025

CONFERENCE PROGRAMME

30th International Conference on Urban Planning and Regional Development in the Information Society
GeoMultimedia 2025



**URBAN INNOVATION
TO BOLDLY GO WHERE NO CITIES HAVE GONE BEFORE**

**MEDIUM SIZED CITIES AND TOWNS
AS A MAJOR ARENA OF GLOBAL URBANISATION**



14-16 APRIL 2025

EGGENBERGER ALLEE 11, 8020 GRAZ, AUSTRIA

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WELCOME



Elke Kahr, Graz, Austria
Mayor of the City of Graz

Welcome to Graz!

As the Mayor of the City of Graz, I am very pleased that the 30th anniversary of the REAL CORP conference is taking place here in Graz, allowing us to welcome world-renowned experts from the fields of spatial planning, geoinformation, and related disciplines.

As the second largest city in Austria – in fact the largest city in the country if you count our capital city Vienna as a federal state – Graz sees itself as a medium-sized agglomeration in global terms, with just over 300,000 inhabitants, even when considering the functional urban region around Graz. We are therefore all the more pleased that this year's REAL CORP is focusing specifically on the challenges and needs of medium-sized cities. Unlike large cities, metropolitan areas, or capital cities, the framework conditions of medium-sized cities and their urban regions are unique.

This begins with their financial capacity and extends to the provision of central functions and services of general interest for the whole region. Urban morphologies are also less dense, yet the challenge under growth conditions is to make sensible and efficient use of the limited urban space available and to allow developments that improve or at least do not reduce the local quality of life.

In Graz, great emphasis is placed on ensuring a high quality of life and that the benefits of the city are accessible to all its residents. Graz is a diverse and culturally appealing city. It is crucial that living and housing costs remain affordable for the population and that social cohesion is highly valued. This commitment to inclusivity and affordability helps maintain the city's vibrant community spirit and ensures that everyone can enjoy the advantages of living in Graz.

REAL CORP participants will be exchanging knowledge and ideas on precisely these kinds of topics for the 30th time this year here in Graz. Current developments from the global to the local level will be discussed, and new ideas, partnerships, and projects will be developed. As a central science and business location in southern Austria, Graz has traditionally acted as a bridge to southern and southeastern Europe. For this reason, we are particularly pleased about event formats such as REAL CORP, which allow us to look beyond our own horizons and provide us with inspiration.

I wish you a successful conference and would be delighted if you take home a positive image of our city – and maybe come again.



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Judith Schwentner, Graz, Austria;
Deputy Mayor of the City of Graz

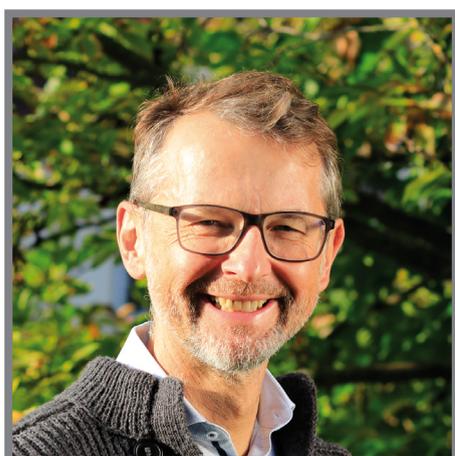
Actively meeting the challenges of climate change

Climate change affects us all and is fundamentally changing our lives. It is essential that we respond to it in both small and large ways. A front garden with bee-friendly flowers may be a small measure, but it is just as important as international cooperation. Medium-sized cities like Graz in particular play a key role: they may not be as big as metropolises, but their large number and combined expertise means that together they can have an enormous impact. The exchange of experience and knowledge between these cities makes it possible to spread sustainable solutions globally.

Of course, the framework conditions and challenges differ from city to city. Graz holds the title of UNESCO World Heritage Site and therefore has a special responsibility to preserve its historic centre. At the same time, the city is growing rapidly, bringing new challenges in the areas of climate and health-oriented urban development, environmentally friendly mobility and the clean energy transition. However, Graz is actively facing up to these challenges and is resolutely committed to the fight against the climate crisis.

I am therefore all the more pleased that REAL CORP 2025 is taking place in Graz this year. As hosts, we have the opportunity to present our achievements while also discussing upcoming challenges with international experts from administration, science and business. I am looking forward to an inspiring exchange that will provide valuable impulses for the sustainable future of our beautiful city.

REAL CORP 2025



Harald Grießer, Graz, Austria
*Styrian Government, Head of
Provincial and Regional Development*

Welcome to Styria!

Since my student years the REAL CORP conference – at that time a small event at TU Wien – has been the meeting place for discussions related to the topic of digitalisation in spatial planning. Many years later, topics such as digital planning processes, artificial intelligence in planning and the actual use of digital instruments have become part of our daily working routine.

Since the beginning REAL CORP has remained, developed and internationalized as a platform for lively scientific debates and inspiring interactions with colleagues from all over the world. At this event, you can still get a feel for the state of the art in regional planning and urban development and get a glimpse into the future “hot topics” of digital planning.

It is a special honour and pleasure for our province that REAL CORP is stopping in Styria this year. We hope that all participants will spend some interesting days in Graz. Above all, however, we hope that these days will convey to all participants the Styrian way of life – halfway between the Alps and the Adriatic - and that this will be a reason to return, both professionally and privately.

WELCOME



Manfred Schrenk, Vienna, Austria
Conference Director, Chairman CORP

WELCOME to REAL CORP 2025, the 30th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies at the University of Applied Sciences Joanneum in Graz, Styria!

Not only is the world's population constantly growing, many cities around the globe are also subject to permanent growth, even in countries and regions with constant or even shrinking population numbers. Global urbanisation is not only creating new challenges in terms of infrastructure, mobility, housing and spatial planning, but especially in climate mitigation and adoption, in technological change - especially digitisation, in resilience towards multiple natural and man-made challenges and in inclusion and accessibility to improve the quality of life even under adverse conditions.

In world's megacities, such challenges have to be tackled on a large scale – with all the technical, organisational, administrative hurdles that have to be dealt with. What about medium-sized and smaller cities? Can they be faster, more flexible, more efficient than the “big tankers” when it comes to innovations? Can they lead the way to a bright future? Can they take us to solutions that help us to boldly go where no cities have gone before, especially when it comes to the criteria of sustainability, resilience and especially quality of life for the whole society? Can solutions developed on a smaller scale be upscaled to metropolises on the one hand and even trickle down to small cities and rural regions? Can measures be easily scaled up and down or do they require completely different approaches?

We therefore invite contributions from all disciplines involved in urban development and spatial planning and related fields in order to analyse the challenges for the future of urban spaces in a holistic manner. In addition to science-based contributions, we also welcome practise-based reports on short-term measures and/or long-term strategies for urban and regional development.

Traditionally we are keeping the range of topics at REAL CORP conferences very broad – as we are convinced that it is advantageous and necessary to use the conference to hear about other topics, to get inspired by similar and maybe totally different approaches and very important: getting to know experts and personalities with the same and also different professional, organisational, cultural backgrounds and networking with them – to possibly develop new ideas and – by URBAN INNOVATION help cities **TO BOLDLY GO WHERE NO CITIES HAVE GONE BEFORE.**



This year we brought together more than 200 participants from 31 countries worldwide. The main goal of the REAL CORP conference series is to bring together leading experts in the field of spatial planning, geoinformation and related disciplines to exchange their knowledge, share their ideas, discuss current developments and get together for face to face networking leading to the development of new thoughts, partnerships and projects.

The success of the REAL CORP conferences is – clearly without doubt – the result of the efforts of participants, reviewers, and the conference organising team. We would like to acknowledge the Reviewer Team and Programme Committee members for their valuable voluntary help with the review process. Our thanks go to all participants and authors of the submitted papers as well. The programme of this year's conference contain around 160 scientific contributions; 98 of them were selected after a double-blind, double-stage (for both abstracts and full papers) peer-review process for publication and presentation at REAL CORP 2025. The non-reviewed papers were accepted by the programme committee after a double-blind abstract review.

Welcome to Graz! Welcome to Styria! Have a great conference!
Manfred Schrenk, Clemens Beyer and the REAL CORP Team





KEYNOTE SPEAKERS



Trynos Gumbo is a Full Professor and Head of the School of Civil Engineering and the Built Environment at the University of Johannesburg. He is also the leader of the Sustainable and Smart Cities and Regions research group in the Department of Urban and Regional Planning within the same institution. He is registered as a Professional Planner with the South African Council of Planners, corporate member of the South African Planning Institute and the Zimbabwe Institute of Rural and Urban Planners. He holds a Master of Science degree in Rural and Urban Planning from the University of Zimbabwe and a PhD from Stellenbosch University. He recently completed a Post Graduate Diploma in Higher Education at Rhodes University with a distinction. Prof Gumbo joined the Urban and Regional Planning Department at the University of Johannesburg as a Senior Lecturer in 2014 and was appointed the Head of Department in 2016. He was promoted to the position of Associate Professor in 2018 and later to the position of Full Professor in 2022.

Trynos Gumbo, Johannesburg, South Africa; Professor of Smart and Sustainable Cities and Regions at University of Johannesburg



Uwe Trattnig studied electrical engineering at Graz University of Technology. From 1993 to 1997, he worked as a test engineer at Austria Microsystems Inc in the field of mixed signal devices. In 1997, he moved to the energy industry, where he worked until 2011 in the areas of distribution network management and operation of hydropower plants as well as managing director for hydropower plant planning. In 2002, he completed his doctorate at TU Graz. Uwe Trattnig moved to FH Joanneum in 2011 and has been working at the Institute of Energy, Mobility and Environmental Management ever since. He has been head of the Bachelor's degree programme since 2014 and took over the management of the entire institute in 2016. His main areas of interest are energy technology and energy management as well as the interdisciplinary interplay of energy and mobility and the associated environmental issues and smart city topics. In 2018, he was elected Head of the College of FH Joanneum.

Uwe Trattnig, Graz, Austria; University of Applied Sciences Joanneum, Head of the College



Martin Memmel studied mathematics and computer science and is head of the Smart City Living Lab (SCLL) where innovative approaches for the city of the future are tested and researched in cooperation with numerous partners. The SCLL is part of the German Research Center for Artificial Intelligence (DFKI) in Kaiserslautern and aims at using modern technologies sensibly and systematically to contribute to sustainable urban development in various areas. Martin initiated and led numerous projects with partners from research, industry and public administration, and authored various national and international publications. His main research interests are the use of AI and data-driven approaches in Smart Cities and the investigation of the use of digital technologies in political decision-making processes. He is a member of the working group Use of Artificial Intelligence in Spatial Development at the Academy for Territorial Development in the Leibniz Association.

Martin Memmel, Kaiserslautern, Germany; Head of Smart City Living Lab at the German Research Center for Artificial Intelligence (DFKI)



Petra (Stieninger) Hurtado is Research Director at the American Planning Association, heading APA's research programmes and foresight practice. In this role, she is responsible for expanding a future-focused research agenda and advancing planning practices that assist communities in navigating change. Her areas of expertise and research include urban sustainability, smart cities, emerging technologies, nature-based solutions, and environmental psychology. Prior to joining APA, she worked as an advisor, planner, researcher, and educator in the global urban sustainability arena. She has a PhD in urban planning from TU Wien, where she teaches on urban sustainability and environmental psychology. She has been guest lecturer at Harvard GSD, Loyola University Chicago, and Universidad Tecnológica de Bolivar, Colombia. Petra has authored and co-authored multiple books, research papers, publicly funded reports, and articles and has presented at numerous conferences worldwide.

Petra Hurtado, Chicago, USA; Chief Foresight and Knowledge Officer of the American Planning Association

KEYNOTE SPEAKERS



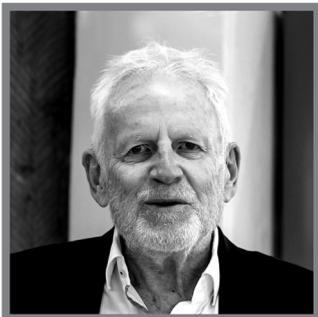
Ali A. Alraouf, Doha, Qatar; Professor at Hamad Bin Khalifa University (HBKU)

Prof. Alraouf focuses on research within the domain of theory, criticism and creativity in architecture and urbanism. He published more than 150 journal refereed papers, critical reviews, essays, in addition to books and book chapters. He has been invited to present his research work in over 30 countries at international institutions all over the world. Alraouf is the recipient of a number of international teaching and research awards including Best Research Paper in IASTE Conference 2018 and Best Book Award by the international society of urban and regional planners in 2018. Alraouf is professor at HBK University in Qatar Education City and acts as Head of research and development at the Ministry of Municipality in Qatar. He is a board member of the international society of city planners, Member of the Advisory Board for Gulf Architecture Program at QNL and the leader of Green Urbanism and Planning Group at Qatar Green Building Council (QGBC).



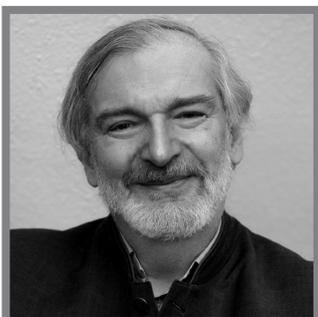
Simone Back Prochnow, Porto Alegre, Brazil; Architect, urban planner, consultant in urban regeneration and researcher

With an eclectic academic and professional background in architecture, urban planning, business management and marketing/advertising, her holistic approach proposes innovative solutions for a new era of our civilisation. Her experience in reusing architectural heritage has assisted from building owners to international companies and the Heritage Department of the city of Porto Alegre. She has lectured as a visiting professor at Universities in Southern Brazil and in Europe, as well as at seminars and forums for architects hired by city administrations. Since her doctoral thesis, in collaboration with TU Wien, she has been studying the presence of nature in the cities as a turning point for regeneration. The result is the innovative Concept of the Fourth Nature – a new level of the human/natural world relationship, where everything is connected and mutually influenced. This relationship is based on a new consciousness - as a result of human evolution.



Bruno Buchberger, Linz, Austria; Professor Emeritus of Computer Mathematics at Johannes Kepler University

Bruno Buchberger is Professor Emeritus of Computer Mathematics at Johannes Kepler University (JKU) in Austria. Throughout his career, he has combined scientific achievements with a strong commitment to societal impact, as illustrated in his recent book „Science and Meditation“. Buchberger is the founder of the Journal of Symbolic Computation, the Research Institute for Symbolic Computation (RISC) at JKU, and Softwarepark Hagenberg, a pioneering tech hub in a rural region. He is internationally recognised for his groundbreaking theory of Gröbner bases, which has transformed the algorithmic handling of nonlinear polynomial systems across all disciplines. Currently, his research focuses on improving AI systems through automated reasoning. A member of the Academy of Europe, Buchberger has received numerous prestigious awards and holds six honorary doctorates.



Franz Nahrada, Bad Radkersburg, Austria; Futurologist and author

Franz Nahrada, born 1954, studied sociology and philosophy in Vienna, did research and development in the field of new media and the upcoming computer revolution and decided to focus on the relation between digital communication, social innovations and spatial development, Inspired by Douglas Engelbart he became very much interested in a “bootstrap community” and “reality labs” to test the idea of rural areas augmented by digital connections and services. He served as president of ECOVAST Austria and initiated several groundbreaking conferences and exhibitions, spanning from Telework, Digitalized Cultural Heritage to NGO cooperation, Open Source Hardware and New Rurban Habitat development. He moved to the small town of Bad Radkersburg and initiated a “Village University” to test the hypothesis that “urban qualities can be stimulated in rural villages by letting people collectively shape their own education according to their needs and potentials.”





KEYNOTE SPEAKERS



Rajendra Kumar is architect, curator, author based in New Delhi, India and Director of School of Architecture and Design, LPU. He is awarded as “Most Admired Education Influencers in India 2022” and “Global Educational Influencer 2020”, Indian Young Achievers Award 2009. He graduated from Chandigarh College of Architecture, India and Post-graduation from Politecnico Di Milano, Italy. He is member of International Society of City and Regional Planners (ISOCARP), and Council of Tall Buildings and Urban Habitat, USA. He received fellowship by Congress for New Urbanism, USA. He is actively involved in academia and research, advisory member of various think tanks of national and international importance, invited member for various projects with global leaders including Prime Ministers, Governors, Ambassadors, Mayors, Policy makers, United Nations, WHO, UN Habitat etc.

Rajendra Kumar, Phagwara, Punjab, India; Lovely Professional University, Director of School of Architecture and Design



Haris Piplas holds a Dr.sc. in Architecture from the Swiss Federal Institute of Technology (ETH Zurich) where he figures as lecturer as well as at Stuttgart Technical University. He is author and collaborator of several urban and architectural projects and one of the initiators of the New European Bauhaus LAB “Towards Inclusive and Sustainable Neighbourhoods”. He figures as head of Drees&Sommer’s “Integrated Urban Solutions” international innovation division. He is co-author of the book “Global Urban Toolbox” and “City Action Lab”, which highlight spatial and infrastructural challenges under the influence of economic, social, and ecological aspects in cities. He figured as an expert adviser and consultant for various international organisations such as WEF Davos Baukultur Alliance, IPBES, GIZ and UN Habitat.

Haris Piplas, Zurich, CH/Stuttgart, DE; ETH Zurich, Department of Civil, Environmental and Geomatic Engineering/Drees & Sommer

SCHEDULE

Water Strategy in Kurdistan Region

15 April, 15:00, Auditorium 1

Special contribution by Prof. Dr. Dana Mawlood, Vice President of University of Kurdistan Hewlêr

The Kurdistan Region of Iraq (KRI) is facing an escalating water crisis due to climate change, unsustainable water management, population growth, and upstream water policies of neighbouring countries. The region heavily relies on rainfall, groundwater, and transboundary rivers for its water supply. However, rising temperatures, prolonged droughts, and declining precipitation have severely impacted water availability. The region has experienced a 20-30% decline in annual precipitation over the past decades, reducing river flows and groundwater recharge.

Snowpack on the Zagros Mountains, a crucial water source, is melting faster due to rising temperatures, leading to reduced water storage. The Tigris River and its tributaries, including the Greater Zab, Lesser Zab, and Sirwan Rivers, supply much of Kurdistan’s surface water. Dams built upstream in Turkey and Iran have significantly reduced water inflows, causing shortages in Kurdistan. Over 70% of KRI’s drinking water comes from groundwater sources.

Excessive well drilling, over-extraction, and lack of recharge have led to a sharp decline in groundwater levels, with some areas seeing a drop of 5-10 meters per year. Severe droughts have occurred in 2018, 2021, and 2023, leading to lower agricultural yields and water shortages for urban and rural communities. By 2040, water demand in Iraq, including Kurdistan, is expected to exceed supply by 40%, increasing the risk of severe water stress.

SCHEDULE

Enhancing Sustainable Mobility of Children and Youth 15 April, 14:30–16:00, Auditorium 4

austriatech

This workshop aims to provide an overview of international best practises in educational materials on sustainable mobility. The focus will be on discussing mobility education and awareness-raising in new and sustainable forms of mobility, such as e-mobility, shared mobility and active mobility. In addition, issues such as accessibility and digitalisation will be addressed considering all modes to raise awareness for a more socially inclusive interaction.

Sustainable mobility is essential as it promotes independent mobility and healthy lifestyles by increasing physical activity through walking and cycling. It also helps to reduce environmental impacts by minimising reliance on motorised transport, which is a major contributor to climate change. Other modes, such as sharing or e-mobility, especially in combination, can lead to emission reductions in traffic or reduce space consumption in public areas. When vehicles are shared and powered by alternative drives, it saves space and reduces emissions. The aim is to move away from private, fossil-fueled car as the only alternative. Promoting sustainable transport habits from an early age can lead to lifelong environmentally friendly behaviour. In addition, access to affordable and sustainable transport options ensures social inclusion and equal opportunities for all young people. In this way, children and young people can be informed from an early age about all their mobility options and make informed decisions about their current and future mobility.

This workshop will present an addition to existing offers for Austrian schools that integrates educational aspects with a gamified approach. This concept includes elements of digitalisation and different modes of mobility and aims to engage students in a fun and interactive way while educating them about the benefits and practices of sustainable mobility. It is important to provide educational materials for schools to better shape and guide the mobility behaviour of future generations. Introducing sustainable mobility and new mobility services can support the necessary shift towards climate neutrality. Existing educational materials are sometimes outdated and need to be updated to reflect current trends and technologies in sustainable mobility.

In addition, the workshop will feature a serious game designed to engage participants in real-world mobility challenges. This game introduces different personas (representing children and young people) who have to face different mobility challenges, such as getting a ticket, dealing with a dead mobile phone battery or booking a shared bike. The game is based on a board game originally developed for the ENUAC project CATAPULT and adapted to the context of sustainable mobility for children and young people.

Towards Multimodal Mobility Hubs in Austria: Typology, standards and cooperation 15 April, 16:30–18:00, Auditorium 4

austriatech

Workshop: Developing Cooperation Models for Multimodal Hubs in Austria

This workshop will focus on cooperation models for multimodal mobility hubs in Austria. Based on existing literature and best practices, six distinct hub types have been identified using specific criteria. To further refine these classifications, case studies of Austrian railway stations were analyzed to highlight their strengths and reveal untapped potential for improvement.

During the workshop, participants will engage in discussions on the services and assets each station type should have, as well as the necessary stakeholder cooperation structures that facilitate their successful development. By bringing together experts and practitioners from various fields, the session aims to foster a deeper understanding of how multimodal hubs can be planned, implemented and operated optimally to enhance connectivity, accessibility, and overall efficiency within Austria's transportation network.

We invite researchers, policymakers, and industry professionals to join us in shaping the future of multimodal mobility!





14-16 April 2025

30 YEARS OF REAL CORP

HAPPY ANNIVERSARY 30 YEARS OF REAL CORP CONFERENCES



My journey with REAL CORP began in my early years as an assistant at the Karlsruhe University of Technology. At the time, my focus was mainly on technical questions. Yet even then, networking was a central theme – connecting young researchers with experienced planners, always driven by the fundamental question: How can technology improve planning?

Twenty-five years later, now a professor, I am still enthralled by this balance. REAL CORP continues to be the place where we explore technology and, more importantly, what it takes to turn these possibilities into planning strategies for sustainable mobility, climate adaptation, and smart, livable cities and regions.

What started as a regional forum has become an international platform that has inspired and accompanied me for decades. Congratulations on 30 years of REAL CORP! My heartfelt thanks to Manfred, Clemens, and all the teams whose dedication and passion have made this journey possible – past, present, and hopefully for many years to come.

Dirk Engelke, Rapperswil, Switzerland; Eastern Switzerland University of Applied Sciences, Prof. for Spatial Development



Congratulation and Gratitude

REAL CORP has come of age. It has reached its stage of early maturity, while preserving its youthful energy, creativity and optimism. What an achievement! It was exciting to be invited into the “CORP family” so long ago and to experience how it progressed by relentlessly experimenting and adjusting to the enormous geopolitical shifts of our century.

What attracted me to REAL CORP was that it was hatched at TU Wien by new graduates, ready to step into the world of work but keen to use and develop their academic knowledge. At that time planning aimed to acquire scientific status and adopted the latest technologies. REAL CORP embraced them to this day, both in terms of the content of its annual conferences, but also significantly by disseminating the REAL CORP body of knowledge to the whole world for free on its website.

The ambition of REAL CORP was to create a place for planning academics and practising planners from both the public and private sectors where they could share their knowledge and experiences and push the boundaries of planning together. Always open to the world REAL CORP was pan-European from its outset, branched out rapidly to Russia and beyond as far as China, while attracting also North American contributors and, most importantly, building up lasting relations with the Global South, mainly in Africa.

All this constitutes the uniqueness of CORP and its soul Manfred Schrenk. Together with the loyal REAL CORP team they underpin REAL CORP’s resilience and longevity. And long may REAL CORP last and evolve for generations, well beyond my time.

Judith Ryser, London, UK; CityScope Europe, Urban Thinker

30 YEARS OF REAL CORP



I think it was 1999 when I was able to give a presentation at REAL CORP for the first time. My office and I were involved in a research project for the state of Lower Saxony on online urban land use planning. We were the first, at least in Germany, to develop and offer this medium for urban development planning and the associated participation processes. That has changed significantly in the last 26 years. No planner, no municipality can do without presenting urban development plans on the internet. REAL CORP has accompanied me on this path, and I have been able to give a few talks in the years that followed. But even when I was not active myself, REAL CORP has constantly supported me; bilateral projects have emerged and friendships have grown. For this, a big thank you to Manfred Schrenk and the entire team, and congratulations on 30 years of REAL CORP.

Frank Otte, Osnabrück, Germany; Architect, Former City Planning Councillor Osnabrück/Mayor Leinfelden-Echterdingen



The 30th anniversary of REAL CORP marks a significant milestone in the advancement of urban planning. REAL CORP conferences have become very international, with conferences in Sitges/Barcelona, Rome, Essen/Zollverein, Ghent, Hamburg, Karlsruhe, Mannheim, ... – and of course always Vienna again. REAL CORP 2025 looks like a very interesting issue with an excellent international programme in the “medium sized city” of Graz. Under the distinguished leadership of Manfred, these conferences have become a key international forum, bringing together leading experts and decision makers to address the complex challenges facing cities today. Manfred’s and his team’s vision, generosity, and unwavering commitment have been instrumental in elevating the profession and fostering a dynamic ecosystem of urban solutions. We look forward to continuing this journey of innovation, collaboration, and excellence in the years to come.

Alfonso Vegara Gomez, Madrid, Spain; Fundacion Metropoli



I had been following the great work by Manfred and his team for making REAL CORP conference as one of very important global event for urban planners and all stakeholders of cities. Selected papers and presentations in the conferences covering varied geographical representations are of very high standards and important case studies. The contribution by Manfred is a matter of great admiration and appreciation in the field of research for urbanists, scholars, urban governance and academic institutions. It’s a matter of pride that REAL CORP is completing its 30th year in 2025. It is a true testament of hard work and dedication of Manfred and his team. I wish all the very best to Manfred, all colleagues and the great team who are making such a thoughtful conference year after year. My full support and wishes to team for newer and newer heights for REAL CORP in the coming future.

Rajendra Kumar, Phagwara, Punjab, India; Lovely Professional University, Director of School of Architecture and Design



I think the first time I attended REAL CORP was in 2010 and since then I’ve enjoyed being a guest every now and again. This conference is particularly interesting for someone like me, who comes from the field of earth observation and deals with cities, because participants are from completely different disciplines. They help me, e.g., to understand more precisely how urban planners think or what they need.

Hannes Taubenböck, Weßling, DE; German Aerospace Center, Earth Observation Center





While I was closely observing the vibrancy of REAL CORP conference series and learn from reading its valuable proceedings but unfortunately, I was not lucky to attend one of its events in person. Yet, last year, I was honored to attend the conference in the innovative city, Mannheim. I did attend conferences and events around the globe, but REAL CORP is exceptional indeed.

I felt like I am with a family in a very positive and friendly spirit while discussing crucial topics and pressing urban challenges. I loved the way keynote speakers were selected to shed light on truly transformational aspects of the built environment. I enjoyed the inclusivity and the diversity of the participants and particularly giving a chance for post graduate students to exhibit their research findings. Therefore, I want to seize the opportunity that this year is the 30th anniversary of CORP conference and congratulate my dear friends Manfred, Clemens and the whole team for the excellent job and the tangible impact on architects, urban designers and planners around the globe.

I am honored to be with all of you in Graz to enjoy the conference and celebrate 30 years of success.

Ali A. Alraouf, Doha, Qatar; Professor at Hamad Bin Khalifa University (HBKU)



30th REAL CORP – more than 20 times on site: What's the best thing about REAL CORP? First of all, the professional input, the exciting presentations, and, well, I could go on and on with the praise and scientific speeches – there's always something exciting to see!

But what's more important: we all meet again, and we have time to talk to each other, not just professionally, but also personally. Some might call it a "class reunion", but I call it something special: We laugh, we cry, we celebrate together. The home games in Vienna, international events such as Rome, Sitges (and yes, I was even allowed to go to FC Barcelona!, came home at 3 a.m., no presentation ready, and was "allowed" to present at 9:30 in the morning), Ghent, Essen, and the spon-

aneous football matches with the yellow Kapsch ball in front of the Multiversum in Schwechat as well as at the REAL trade fair in Vienna and in Vienna City Hall.

The venues have changed, and fortunately, many faces have remained the same, albeit somewhat more mature. Thank you, Manfred, for the motivation to organise a new event every year and bring Europe and the world – not only from a planning point of view – closer together! We stay in contact and discussion – today, it is more important than ever!

Peter Zeile, Karlsruhe, DE; Karlsruhe Institute of Technology, Urban Housing and Development



REAL CORP Conferences are always a pivotal moment of the year for us all, as urban planners, thinkers and doers of the REAL WORLD. I see it as an open-minded and receptive place that gathers old friends as well as new incommers, with the target of enriching our perspectives and our daily life experiences.

We are all welcomed with such dedication and warmth, that makes everyone feel special and comfortable to share, learn and fortify not only our worries but also our hopes through these special days of true connection.

Congratulations to all the team, for a 30 year worldwide journey making an event with so many important results, that feels so human and close.

Simone Back Prochnow, Porto Alegre, Brazil; Architect, Urban Planner, Consultant in urban regeneration and Researcher

30 YEARS OF REAL CORP



My journey with REAL CORP began in 2003 when I presented a paper on the emerging link between ICT and urban planning, drawn from my work with planum.net. At the time, few urbanists were exploring this intersection – and we were actively searching for each other, for spaces to connect and share ideas. That search led me to Vienna, where I met Manfred. We immediately connected through our shared openness to international exchange and our curiosity about Europe's evolving landscape of cooperation. That meeting sparked a collaboration that has never really stopped.

Over the years, our professional work has been enriched by a deep and lasting friendship – an equilibrium that has always felt natural and rewarding. Becoming part of the REAL CORP community has brought me countless personal and professional satisfactions. I warmly wish for at least another 30 years of growth, with all of us continuing to play an active role. To the new generation of planners: If you

are seeking a space where ideas travel, where connections endure, and where the future of urbanism is shaped together – come join us. REAL CORP is your community, too.

Pietro Elisei, Bucharest, Romania; Urbasofia, Founder and Managing Director



REAL CORP conference is all about the acting persons, the director and the founder, our Manfred, and the good soul and organising genius Clemens – and the small REAL CORP team! All of us who were in a position to organise scientific gatherings know very well that they might easily become “Mission impossible”.

REAL CORP is with us for 30 years already. Through changing urbanistic topics and places of events throughout Europe, it stays an inspiring gathering of the year, bringing together passionate researchers and innovators from diverse backgrounds. It offers a unique opportunity for attendees to connect on a personal level, sharing not just ground breaking discoveries but also their experiences and challenges. The atmosphere is, due to our Manfred and his team, warm and charming, filled with lively discussions and shared laughter, making it feel less like a formal event and more like a community of like-minded individuals united by a common goal. Ultimately, it is an incredible experience that leaves everyone feeling motivated and connected to the larger scientific community, and to come back to this conference again and again.

My own conference “Places and Technologies” that celebrates its modest jubilee; ten years this year, was in fact Manfred's and mine first experience together. Science is not just a body of knowledge, but a way of thinking, a comfortable way of mingling and exchanging, it is about real care. We are, I assume, for long time now tired of those “I couldn't care less” (about you) feelings and sensations coming oftenly from our colleagues all over the world. That is, after my modest opinion, why REAL CORP lasts, with a small crew of a big mighty man!

Eva Vaništa Lazarević, Belgrade, Serbia; Full Professor at University of Belgrade, Faculty of Architecture



I remember the first REAL CORP symposiums: IT-savvy urban planners with a great deal of idealism and the vision of improving the world with the help of modern tools. The first ideas for opening REAL CORP to an international audience emerged between midnight and 3 a.m. between two REAL CORP days ... no one had even thought of a 30th birthday back then.

Congratulations to CORP and to you, Manfred, for your tireless efforts. Today, CORP has a firm place in the planning scene and is an indispensable source of inspiration and innovation.

Martin Töllner, Dortmund, Germany; Professor of Real Estate Management at International School of Management





Back to the roots in 1995. As a young professor at the University of Kaiserslautern (since renamed several times), I was one of the first participants of REAL CORP in Vienna. It was the beginning – still without big hype – of a technological progress with initial impetus from computer technology. At that time, many academic traditionalists and almost all experts of urban action considered its benefits as useless. The only forum in the German speaking world that saw things differently was REAL CORP with some truly visionary protagonists, among whom Manfred Schrenk at the TU Wien undoubtedly belonged. Since then times have changed and many things had to be reassessed – including the contents of this conference. From my “hidden” observation from afar, Manfred and his team have succeeded in integrating this change of times and topics into all conference programmes very well.

I wish Manfred and his team all the best and many new insights resulting from the conference topics. What is important in all this professional exchange, however, is the joy, the mutual respect in the exchange of ideas and, above all, a lot of good humour. Manfred knows how to do that after so many years of engagement. REAL CORP is his lifeblood and passion.

Bernd Streich, Wohltorf near Hamburg, Germany; Professor Emeritus

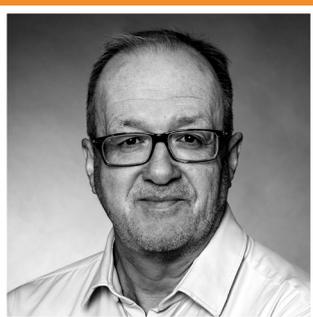


The 30th anniversary of REAL CORP as Conference on Urban Planning and Regional Development in the Information Society is a good time to look back. In the 1990s, the world was quite anchored, clearly structured and seemed more manageable. There was no widespread Internet and everything we take for granted today in terms of communication in the information society was still in its infancy. In Vienna, spatial planner Manfred Schrenk and a small team launched REAL CORP back then in 1996. Over time, REAL CORP became increasingly international. From Austria, the conference moved to other countries and, conversely, when Real Corp was held in Austria again, the conference attracted more and more international participants from all over the world. What a journey! And what journeys.

The website corp.at is neither hip nor the latest trend in digital design, but rather the opposite. That offers advantages. Under the “CORP since 1996” button, for example, you’ll find all the papers accepted since the beginning and lots of programmes from past REAL CORP conferences. The spectrum is thematically and geographically extremely extensive, so that this digital archive alone deserves admiration!

Congrats to Manfred Schrenk and his team. Here’s to many more years! Ad multos annos!

Andreas Schiller, Austria; Journalist and Publisher: Real Estate, City and Regional Development



30 years of REAL CORP, certainly never expected at the beginning, but working on REAL CORP with a lot of energy and enthusiasm, always questioning, always readjusting and realigning. You have to want to contribute this energy and persistence for 30 years now. A lot of respect and applause is due. I was able to immerse myself in the “REAL CORP family” for the first time 4 years ago and experience first hand what science can do. As an outsider at the time, I was quite impressed by what is possible with these complex topics around urban, neighbourhood and landscape planning, to name just three.

I quickly realised that the exchange between science and industry and production companies is quite limited. It should be clear that research, testing and development with an academic orientation does not always find its direct place in business. However, I am convinced that bringing these two pillars together can be of great benefit to both. In this sense, I wish you, Manfred, and you, Clemens, as well as the rest of the team all the best for the future, and continued success in selecting the topics for future REAL CORP conferences.

Thomas Walch, Rauenberg, Germany/Barcelona, Spain; Co-Founder Worldcode1, Co-Founder Innoplanet

REVIEWER TEAM AND PROGRAMME COMMITTEE

Arbab, Parsa; Ass. Prof.	University of Tehran, School of Urban Planning	Tehran, Iran
Baypinar, Mete Basar; Ass. Prof. Dr.	Istanbul University, Department of Urban and Regional Planning	Istanbul, Turkey
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
Broschart, Daniel; Dr.-Ing.	Stadtplanungsamt Landsberg am Lech	Landberg am Lech, DE
Dorau, Uschi; Dipl.-Ing.	Urban Innovation Vienna GmbH	Vienna, AT
Dörrzapf, Linda; Dipl.-Ing. Dr.	TU Wien, Institute of Spatial Planning	Vienna, AT
Elisei, Pietro; Dr.-Ing.	Urbasofia	Buchrest, Romania
Emberger, Günter; Prof. Mag. Dr.	TU 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, ZENNER International	Saarbrücken, DE
Gebetsroither-Geringer, Ernst; Dr.	AIT – Austrian Institute of Technology	Vienna, AT
Geier, Stefan; Dipl.-Ing.	BOKU Vienna, Institute of Spatial Planning	Vienna, AT
Goličnik Marušić, Barbara; Dr.	Urban Planning Institute of the Republic of Slovenia	Ljubljana, Slovenia
Grimm-Pretner, Dagmar; Ass. Prof. Dipl.-Ing. Dr.	BOKU Vienna, Institute of Landscape Architecture	Vienna, AT
Henninger, Sascha; Prof. Dr.	RPTU Kaiserslautern-Landau	Kaiserslautern, DE
Höhl, Wolfgang; Prof. Dr.-Ing.	University of Applied Sciences Augsburg, Faculty of Design	Augsburg, DE
Kiers, Martijn; Dipl.-Ing.	University of Applied Sciences Joanneum	Graz, AT
Klementsitz, Roman; Dr.	BOKU Vienna, Institute of Transport Studies	Vienna, AT
Loidl, Rainer; FH-Prof. Mag. Dr.	University of Applied Sciences Joanneum	Graz, AT
Marušić Damjan; Dr.	Dipstor	Koper, Slovenia
Murgante, Beniamino; Prof. Dr.	University of Basilicata, Italy	Potenza, IT
Navratil, Gerhard; Prof. Dr.	TU Wien, Department of Geodesy and Geoinformation	Vienna, AT
Nayer, Aida; Ass. Prof.	French University in Egypt, Architectural Programme Director	Jeddah, Saudi Arabia
Netsch, Stefan; Dipl.-Ing.	Fachhochschule Salzburg, Smart Buildings in Smart Cities	Salzburg, AT
Neuschmid, Julia; Mag.	IDC Austria	Vienna, AT
Popovich, Vasily V.; Prof. Dr.	Russian Academy of Sciences, SPIRAS, Head of OOGIS Laboratory	St. Peterburg, Russia
Rau, Stefan; Dipl.-Ing.	Asian Development Bank, Sectors Group, Water and Urban Development	Beijing, China
Ryser, Judith; Arch	City Scope Europe, Urban Thinker	London, UK
Schmidt-Hamburger, Céline; Dipl.-Ing.	TU Wien, Institute of Spatial Planning	Vienna, AT
Schrenk, Manfred; Dipl.-Ing.	CORP – Competence Center of Urban and Regional Planning	Schwechat, AT
Taha, Dina; Ass. Prof. Dr.	Alexandria University, Faculty of Engineering	Alexandria, Egypt
Tummers, Lidewij, Dr.	Tussen Ruimte/University Twente/Corrina	Rotterdam, NL
Vaništa Lazarević, Eva;	University of Belgrade	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





Sunday, 13 April 2025

17:00–18:00	Informal Welcome and Ice Breaking at FH Joanneum (Eggenberger Allee 11, Graz)
from 18:30	Guided City Tour (starting at Hauptplatz in front of the city hall)

Monday, 14 April 2025

	Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	Auditorium 5	Grand Hall
08:00–09:00	Registration					
09:00–10:30						Welcome, Opening
10:30–11:00	Coffee Break					
11:00–13:00						Keynotes
13:00–14:00	Lunch Break					
14:00–15:30						Keynotes
15:30–16:00	Coffee Break					
16:00–17:30	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	Presentations (EN)	
from 17:30	Smart City Tram Tour (additional costs € 20.-) or Walking Tour, afterwards Mayor's reception at Graz City Hall					

Tuesday, 15 April 2025

	Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	Auditorium 5	Grand Hall
09:30–11:00	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	Presentations (EN)	
11:00–11:30	Coffee Break					
11:30–13:00	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	Presentations (EN)	
13:00–14:00	Lunch Break					
14:00–15:00						Keynote after Lunch
15:00–16:30	Presentations (EN)	Presentations (DE)	Presentations (EN)	Workshop (EN)	Presentations (EN)	
16:30–17:00	Coffee Break					
17:00–18:30	Presentations (EN)	Presentations (DE)	Presentations (EN)	Workshop (EN)	Presentations (EN)	
from 18:30	Official REAL CORP 2025 Evening Reception at FH Joanneum (conference venue)					

Wednesday, 16 April 2025

	Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	Auditorium 5	Grand Hall
09:30–11:00	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	Presentations (EN)	
11:00–11:30	Coffee Break					
11:30–13:00	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	Podcast Recording (DE)	
13:00–14:00	Lunch Break					
14:00–14:30						Keynote after Lunch
14:30–16:00	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	Presentations (EN)	
16:00–16:30	REAL CORP Closing: Final Discussion, Conclusion, Outlook					

SCHEDULE

Monday, 14 April 2025

Time	Grand Hall
09:00-10:30	Conference Opening and Keynote
MONDAY	<p>Welcome to REAL CORP 2025</p> <p>Judith SCHWENTNER, Deputy Mayor of the City of Graz, Austria</p> <p>Uwe TRATTNIG, University of Applied Sciences Joanneum, Head of College; Graz, Austria</p> <p>Pietro ELISEI, Urbasofia; Bucharest, Romania</p> <p>Eva VANIŠTA LAZAREVIĆ, Atelier Eva Vaništa Lazarević; Belgrade, Serbia</p> <p>Judith RYSER, CityScope Europe, Urban Thinker; London, UK</p> <p>Manfred SCHRENK, Conference Director</p>
	 <p>Challenges and Perspectives of Urban Planning in the Global South Trynos GUMBO Professor of Civil Engineering and Built Environment, University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa</p>
10:30-11:00	Coffee Break
11:00-13:00	Opening Keynotes
TUESDAY	 <p>Energy Supply of Small and Medium-sized Cities using the Example of Graz – Current Status and Outlook of Electricity and Heat Supply Uwe TRATTNIG University of Applied Sciences Joanneum; Graz, Austria</p>
	 <p>Better Transformation through Technical Innovations? The Role of Digitalisation and AI in the Policy Cycle Martin MEMMEL Head of Smart City Living Lab at the German Research Center for Artificial Intelligence (DFKI); Kaiserslautern, Germany</p>
	 <p>Planning with the Future Petra HURTADO Chief Foresight and Knowledge Officer of the American Planning Association; Chicago, USA</p>
13:00-14:00	Lunch Break
WEDNESDAY	





Monday, 14 April 2025

Grand Hall		Time
Keynotes		14:00-15:30
	<p>Urban Innovate or Evaporate: A Narrative of Activating a Deteriorating Heart. The Urban Regeneration of Doha City Centre Ali A. ALRAOUF Hamad Bin Khalifa University, Architecture and Urbanism; Doha, Qatar</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
	<p>Fourth Nature – How the Planet can be Refurbished Simone BACK PROCHNOW Architect, Urban Planner and Researcher; Porto Alegre, Brazil</p>	
	<p>On the Path to a Conscious Natural Society: Science and Meditation Bruno BUCHBERGER Professor Emeritus of Computer Mathematics at Johannes Kepler University; Linz, Austria</p>	
 <p>Who is speaking right now? Find it out on https://live.corp.at</p> 		
Coffee Break		15:30-16:00

SCHEDULE

Monday, 14 April 2025

Time	Auditorium 1	Auditorium 2
16:00-17:30	Climate Oriented Planning Strategies Chair: Christine SCHWABERGER	Flächennutzung und Flächenverbrauch Chair: Manfred SCHRENK
MONDAY TUESDAY WEDNESDAY	<p>Co-Creation of a Prototypical Climate Service Product to Support Climate Change Adaptation in the City Forest of Karlsruhe Markus GROTH*, Katharina BÜLOW*, Stephanie BAUER**, Bettina STEURI*, Florian KNUTZEN*, Diana RECHID*</p> <p>* Climate Service Center Germany (GERICS) - Helmholtz-Zentrum Hereon; Hamburg, DE ** Forstamt Karlsruhe; Karlsruhe, DE</p> <p>Decarbonising the City – Stakeholder Activation Approaches of Graz Thomas DRAGE City of Graz, Executive Office for Urban Planning, Development and Construction; Graz, AT</p> <p>Climate Change and Green and Blue Infrastructure Natana CHAR DA SILVA YEWOLANDSCAPES GmbH, Urban Design Team; Vienna, AT</p> <p>Functional Urban Area Graz – Intercommunal Collaboration Processes for a Climate-Oriented Regional Development Strategy Wilfried KRAMMER, Bertram WERLE City of Graz, Executive Office for Urban Planning, Development and Construction; Graz, AT</p>	<p>🏆 Die Identifikation klimaaktiver Grünflächen mit Hilfe künstlicher Intelligenz Sascha HENNINGER, Pierre MÜLLER Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau, Fachbereich Raum- und Umweltplanung; Physische Geographie; Kaiserslautern, DE</p> <p>🏆 Erhebung und Analyse des Flächenverbrauchs in Deutschland sowie Abschätzung der zukünftigen Flächenverbrauchsentwicklung Gotthard MEINEL Leibniz-Institut für ökologische Raumentwicklung e.V., Forschungsbereich Raumbezogene Information und Modellierung; Dresden, DE</p> <p>🏆 Das Schutzgut Fläche der Umweltprüfung – Beitrag zur Reduzierung des quantitativen „Flächenverbrauchs“ und zur Stärkung eines qualitativen Freiraumschutzes Christian JACOBY, Christoph BINDER Universität der Bundeswehr München, Professur für Raumplanung und Mobilität; Neubiberg, DE</p>
	<p>Presentations marked with 🏆 are reviewed papers.</p>	<div style="border: 1px solid black; padding: 10px; background-color: #4b4b8b; color: white; text-align: center;"> <p><i>What's coming up next?</i></p> <p><i>Our live conference guide</i> http://live.corp.at <i>has the answer</i></p> </div>
from 17:30	Graz Smart City Tour (either walking or tram ride at additional cost € 20.-), afterwards mayor's reception at Graz City Hall (registration at MY.CORP necessary)	





Monday, 14 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
<p>Short Distance Mobility Chair: Eva VANIŠTA LAZAREVIĆ</p>	<p>Energy Planning Chair: Christian EIZINGER</p>	<p>Spatial Planning Practise Chair: Rajendra KUMAR</p>	<p>16:00-17:30</p>
<p>Masterplan “Walking” Graz (2024) Renate PLATZER City of Graz, Department for Mobility Planning; Graz, AT</p> <p>🏆 hiWALK and hiBIKE: Co-created Indices to Foster Active Mobility for All Kirsten VON ELVERFELDT*, Sebastian BLOCK*, Marie-Therese FALLAST**, Benedict WINKLER** * Heidelberg Institute for Geoinformation Technology; Heidelberg, DE ** PLANUM; Graz, AT</p> <p>🏆 Beyond The Blueprint: Revitalising Active Travel amid African Realities Retsepile KALAOANE, Trynos GUMBO University of Johannesburg; Johannesburg, South Africa</p> <p>🏆 Redefining Livability through 15 Minute Neighbourhoods – An Approach to Enhance Quality of Life through Sustainable Mobility Pravalika SARVADEVABHATLA*, Nithya RAMESH** * Jana Urban Space Foundation, Urban Policy; Bengaluru, India ** Jana Urban Space Foundation, Urban Design; Bengaluru, India</p>	<p>🏆 AgriVoltaics in the Wine Industry Felix LAUER*, Hans Rüdiger KAUFMANN**, Sebastian SONNICK*, Sebastian SOLD*, Thomas SCHAEFER*, Matthias RÄDLE* * Hochschule Mannheim, Cemos Institute; Mannheim, DE ** Hochschule der Wirtschaft für Management Mannheim; DE</p> <p>🏆 Formulation of Clean Energy Transition Strategies for Small and Medium Sized Cities Ali HAINOUN AIT Austrian Institute of Technology GmbH, Centre for Energy; Vienna, AT</p> <p>The Role of Small and Medium Sized Cities and Towns in the Clean Energy Transition – Opportunities and Limitations from a Local Spatial Planning Perspective Raffael KOSCHER, Georg NEUGEBAUER BOKU University, Institut für Raumplanung, Umweltplanung und Bodenordnung; Wien, AT</p> <p>Energy Certificates and Default Values – a Rich in Conflict Relation Pertaining to Key Performance Indicators of Building Performance Ulrich PONT TU Wien, Building Physics and Building Ecology; Wien, AT</p>	<p>🏆 The Arnstein Gap: Twenty Years On, What has Changed? Keiron BAILEY*, Ted GROSSARDT** * University of Arizona, Research, Innovation and Impact; Tucson, USA ** Vox Populi LLC; Lexington, USA</p> <p>🏆 A Participatory Planning Framework using Urban Digital Twins Supporting the Co-Creation of Flexible, Positive Energy Districts E. GEBETSROITHER-GERINGER*, Ali HAINOUN*, R. PADSALA**, V. COORS**, B. SMETSCHKA***, G. AGUGIARO****, A. REBER**, D. HORAK* * AIT Austrian Institute of Technology; Vienna, AT ** Hochschule für Technik Stuttgart; Stuttgart, DE *** BOKU, Institut für Soziale Ökologie; Vienna, AT **** Delft University of Technology; NL</p> <p>🏆 Navigating the Qualitative Research Landscape: Methodological Insights from a Study on Gentrification in Johannesburg Trynos GUMBO, Mhlalisi MNDZEBELE, Kammila NAIDOO, Bonolo LETLAPE Univ. of Johannesburg; South Africa</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Tuesday, 15 April 2025

Time	Auditorium 1	Auditorium 2
09:30-11:00	Smart Climate Adaptation Chair: Rajendra KUMAR	Modelle der Stadtentwicklung Chair: Artur SWANENBERG
MONDAY	Challenges and Opportunities to Develop Food Hubs in Australia Douglas BAKER Queensland University of Technology, School of Architecture and Built Environment; Brisbane, Australia	🏆 Digitaler Zwilling x Denkmalschutz – ein neuer Ansatz zur Vorbereitung eines Solarrahmenplans für eine denkmalgeschützte Altstadt Peter ZEILE*, Daniel BROSCHE***, Sabrina SOMMER***, Judith SANDMEIER***, Franziska HAAS*** * Karlsruhe Institute of Technology, Stadtquartiersplanung; Karlsruhe, DE ** Stadt Landsberg am Lech, Referat Digitaler Zwilling, Klimaschutz und Mobilität; Landsberg am Lech, DE *** Bayerisches Landesamt für Denkmalpflege, München/Memmelsdorf, DE
TUESDAY	🏆 Levee Effect and Urban Development under Climate Change: Land-Use Strategies for Managing Residual Flood Risk in Taiwan Hsueh-Sheng CHANG, Chih-Po HSU National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan	🏆 EVA – Evaluierung und neuer Zielekatalog für „aspen Die Seestadt Wiens“ Uschi DORAU*, Herbert BARTIK*, Martin HESIK**, Ingrid SPÖRK** * Urban Innovation Vienna GmbH, Stadtentwicklung & Mobilität; Wien, AT ** Wien 3420 aspen Development AG; Wien, AT
WEDNESDAY	🏆 Best Practises of PEDs and its Replication Potential Matthias HAASE, Mihaela MESLEC, Simon ASHWORTH ZHAW, Institute of Facility Management; Waedenswil, CH	🏆 TwinCity3D – neue Möglichkeiten zur Planung der Stadtentwicklung für Klein- und Mittelstädte Daniel BROSCHE**, Christoph EDER**, Marina FISCHER**, Jabid ISHTIAQUE**, Juilson JUBANSKI**, Florian SIEGERT** * Landsberg am Lech, Ref. Digitaler Zwilling, Klimaschutz und Mobilität; Landsberg am Lech, DE ** 3D RealityMaps GmbH; München, DE
	🏆 Insulation and Packaging with Natural Fibres: Contribution to the Smart City and Waste Reduction Gamze UENSAL-PETER*, Sebastian SONNICK*, Thomas WALCH**, Hans Rüdiger KAUFMANN***, Matthias RÄDLE* * Hochschule Mannheim, CeMOS Institute; Mannheim, DE ** Worldcode1, Co-Founder; Barcelona, Spain *** Hochschule der Wirtschaft für Management Mannheim, M.A. Business Management; Mannheim, DE	🏆 Erfordernis eines Flächenkompensationsmodells zur Erreichung des Flächensparziels „Netto-Null-Flächenverbrauch“ Christoph BINDER Universität der Bundeswehr München, Institut für Verkehrswesen und Raumplanung; Neubiberg, DE
11:00-11:30	Coffee Break	
	Climate Responsive Urban Design for Small Towns – Lesson Learnt from the Netherlands Hanna OBRACHT-PRONDZYŃSKA University of Gdańsk, Department of Spatial Studies; Gdańsk, Poland	





Tuesday, 15 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
Smart Mobility Chair: Christian EIZINGER	Data Use in Planning Chair: Clemens BEYER	Sustainable Solutions Chair: Thomas MATHOI	09:30-11:00
<p>🏆 Are Modular Transport Units the Answer for Tomorrow's Cities? Matthias PRANDTSTETTER, Ulrike RITZINGER AIT Austrian Institute of Technology, Center for Energy; Vienna, AT</p> <p>Towards Multimodal Mobility Hubs in Austria: Typology, Standards and Cooperation Florian SUPE*, Ivana SERAFIMOVIC*, Mathias MITTEREGGER** * AustriaTech, Innovating Mobility; Vienna, AT ** Mobilität und Raum; Heimschuh, AT</p> <p>Consumer Willingness to Pay for Autonomous Vehicles in Japan Mitsunori HIROGAKI Kyushu University, Graduate School of Economics; Fukuoka, Japan</p>	<p>🏆 A Data Space for Accessible Multimodal Transport: Enabling Inclusive Mobility Wolfgang WEISS, Sandra DRAXLER JOANNEUM RESEARCH Forschungsgesellschaft mbH, DIGITAL; Graz, AT</p> <p>🏆 Spatial Planning on Electricity – What Smart Meter Data can Tell us about Spatial Structures Dirk ENGELKE, André BISKUP OST Eastern Switzerland University of Applied Sciences; Rapperswil, CH</p> <p>CentropeMAP – How to Visualize Geodata and Statistics Clemens BEYER, Manfred SCHRENK CORP – COnsulting Research Projects; Vienna, AT</p> <p>Civil Society Resilience and Urban Development: Civil Society and Open Data in Wartime Anna HUSKOVA NeboPole.Labs, Ukrainian Laboratory of Urbanism; Kamianske, Ukraine</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>🏆 An Interplay of Aesthetically-Urban, Aesthetically-Spiritual and Social Responsibility Aspects in Urban Regeneration Eva VANIŠTA LAZAREVIĆ*, Jelena MARIĆ**, Aleksandra DJUKIĆ** * Atelier Eva Vaništa Lazarević; Belgrade, Serbia ** University of Belgrade, Serbia</p> <p>Integration of Flexibilities to Energy Performance Contracting Business Models C. MAYER*, C. NEUMANN*, A. TUERK*, S. EBRAHIMIGHAREH-BAGHI**, K. KERN***, S. ARKO***, E. LAKIĆ*** * Joanneum Research; Graz, AT ** Institute for European Energy and Climate Policy; Amsterdam, NL *** University of Ljubljana, Slovenia</p> <p>Challenges in Social Housing – Technical, Sustainable and Social Aspects Thomas MATHOI, Karen MEIXNER * FH Joanneum; Graz, AT</p> <p>🏆 Accelerating Climate Change Adaptation in Cities with FAIR2Adapt: FAIRifying Hamburg's Risk Map B. MAGAGNA*, A. FOUILLOUX**, M. VON SZOMBATHELY***, C. MATAUSCHEK****, M. STOCKER***** * GO FAIR Foundation; Leiden, NL ** Simula; Oslo, Norway *** Universität Hamburg; DE **** Fresh Thoughts Consulting; Vienna, AT ***** Leibniz-Informationszentrum Technik und Naturwissenschaften; Hannover, DE</p>	MONDAY TUESDAY WEDNESDAY

SCHEDULE

Tuesday, 15 April 2025

Time	Auditorium 1	Auditorium 2
11:30-13:00	<p>The Quality of Cities Chair: Rainer LOIDL</p>	<p>Klimafit planen Chair: Christine SCHWABERGER</p>
MONDAY	<p>🏆 The City as Resilient Organism: the Sustainability Route of Social Innovations and Adaptive Structures for Quality of Life and Social Justice Rainer LOIDL FH Joanneum, Soziale Arbeit; Graz, AT</p>	<p>🏆 Konzeption einer Entscheidungshilfe für resiliente Wasserwirtschaft und effektive Klimaanpassung Sophie Charlotte KUHLMANN*, Diana SPURZEM*, Sascha HENNINGER**, Dörte ZIEGLER* * Hochschule Koblenz, bkw; Koblenz, DE ** RPTU Kaiserslautern; Kaiserslautern, DE</p>
TUESDAY	<p>Urban Village Jos LICHTENBERG LL040, Director; NL</p>	<p>🏆 Grünraum als Schlüssel: Anpassungsplanung für Gemeinden im Zeichen des Klimawandels Bente KNOLL*, Arne MEIER*, Martina MAJCEN**, Markus KARNER***, Elisabeth KNASMILLNER****, Ralf DOPHEIDE***** * B-NK GmbH Büro für nachhaltige Kompetenz; Wien, AT ** AEE INTEC - Institut für Nachhaltige Technologien; Gleisdorf, AT *** RaumRadar ZT GmbH; Wolkersdorf, AT **** RaumRegionMensch ZT GmbH; Wolkersdorf, AT ***** Dipl.-Ing. Ralf Dopheide e.U.; Wien, AT</p>
WEDNESDAY	<p>🏆 Circular Economy Concepts: A Smart Solution for Communities in European Towns Damjan MARUŠIĆ *, Barbara GOLIČNIK MARUŠIĆ * DIPSTOR; Koper, Slovenia ** UIRS; Ljubljana, Slovenia</p> <p>🏆 Successes and Failures of New Cities as Drivers of Urban Growth Judith RYSER*, Teresa FRANCHINI** * CityScope Europe, Urban Thinker; London, UK ** Temanova; Madrid, Spain</p>	<p>🏆 Architektonische Details als Schlüssel für das kreislaufgerechte Konstruieren: Analyse von Darstellungs- und Informationsgehalten zeichnerischer Details Daniela SCHNEIDER Karlsruher Institut für Technologie, Fachgebiet Nachhaltiges Bauen; Karlsruhe, DE</p> <p>🏆 Von Funktionalität zu Integration: Energiespeicher im urbanen Raum neu gedacht Jannik WENDORFF, Sarah HERMENS RWTH Aachen University, Institute for Urban Design and European Urbanism; Aachen, DE</p>
		
13:00-14:00	Lunch Break	

Presentations marked with 🏆 are reviewed papers.





Tuesday, 15 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
<p>Sustainable Mobility Chair: Martijn KIERS</p>	<p>Accessibility for All Chair: Linda DÖRRZAPF</p>	<p>Urban Planning Case Studies Chair: Rajendra KUMAR</p>	<p>11:30-13:00</p>
<p>CLARC – Measuring Community Readiness for Climate-Friendly and Active Mobility Jennifer JOLLY, Kathrin HOFER-FISCHANGER, Gerlinde GRASSER FH Joanneum; Graz, AT</p> <p>Reclaiming Public Space: Traffic Areas as a Game Changer for Future-Oriented Urban Planning Martijn KIERS, Jennifer JOLLY, Tina SOVEC FH Joanneum; Kapfenberg, AT</p> <p>🏆 Enhancement of Minibus Taxis through Technological Innovations: A Case of Soweto, Johannesburg, South Africa Siphiwe MBATHA, Trynos GUMBO, Retsepile KALAOANE Univ. of Johannesburg; South Africa</p> <p>🏆 Assessing the Effects of Road Infrastructure on Rural Mobility and Development: A Bibliometric Review Vutlhari RIKHOTSO Univ. of Johannesburg, South Africa</p>	<p>CE-Spaces4All – From Mapping Barriers towards Development of Accessible Tourism Tools and Services for Persons with Disabilities Blaž BARBORIČ*, Maja BALOH*, Tatjana FISCHER**, Clemens BEYER**, Manfred SCHRENK** * Geodetic Institute of Slovenia; Ljubljana, Slovenia ** BOKU University; Vienna, AT</p> <p>Towards Accessibility in Viennese Cultural Institutions: A Case Study based on a Historic and a New Museum Ulrich PONT TU Wien, Building Physics and Building Ecology; Wien, AT</p> <p>🏆 A Bibliometric Review of Global Research Trends on Designing Inclusive Public Spaces Vuyiswa LETSOKO, Mhlalsi MNDZEBELE, Trynos GUMBO Univ. of Johannesburg; South Africa</p> <p>🏆 Cities for All: Urban Equity and Cultural Inclusivity in Cosmopolitan Cities: A Case Study of Wadi Hanifa, Riyadh Dalia ABDELFAHAT Al Yamamah University, Architecture; Riyadh, Saudi Arabia</p> <p>Opening and Closing Doors: New Concepts towards Accessibility Ulrich PONT, Matthias SCHUSS TU Wien, Building Physics and Building Ecology; Wien, AT</p>	<p>🏆 Exploring the Relationship between Gentrification and Vulnerability in Taipei City Chin-Yu HSUEH, Tzu-Ling CHEN University of Taipei, Taiwan</p> <p>🏆 Integrated Urban Planning: An Example of the Historic Centre of the City of Zagreb Jadranka VESELIĆ BRUVO, Mirna MEŠTROVIĆ Institute for physical planning of the City of Zagreb, Croatia</p> <p>Experiences of Socio-Spatial Injustice and Inequality: a Case of Galeshewe Township, Kimberley Gofaone Imelda TSILE, Vuyiswa LETSOKO Univ. of Johannesburg; South Africa</p> <p>Public Planning and Public Health Tanya Riyadh Ezzulddin ALARAJI University of Kurdistan Hewlêr, Erbil, Iraq</p> <p>AI-Driven Reforestation for Climate Action and Rural Empowerment Mansur Farhad SHEKH University of Kurdistan Hewlêr, Erbil, Iraq</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Tuesday, 15 April 2025

Time	Auditorium 1	Auditorium 2	
14:00-15:00	Post-Lunch Keynotes		
MONDAY	 <p>What is In Situ Urbanisation? Or Should We Say: What Could it Be? Franz NAHRADA Futurologist, Author; Bad Radkersburg, Austria</p>	Grand Hall	
	 <p>Cities: For People by People Rajendra KUMAR Lovely Professional University; Phagwara, Punjab, India</p>	Grand Hall	
TUESDAY			
WEDNESDAY	15:00-16:30	<p>Climate Resilient Urban Development Chair: Barbara GOLIČNIK MARUŠIČ</p>	<p>Kommunale und regionale Planung Chair: Christine SCHWABERGER</p>
		<p>Addressing Climate Change in Iraq Dana MAWLOOD University of Kurdistan Hewlêr, Vice President; Erbil, Iraq</p> <p>Green Design for Public Transport Stations in Graz M. DEUTSCH*, M.SCHMIDT**, T. STOISSER* ** Stadt Graz; AT ** Holding Graz; AT</p> <p>TRASTORE Energy – Revolutionary Energy Storage and Utilisation – Automated Utilisation of Solar and/or Wind Power Thomas WALCH, Innoplanet; Rauenberg, DE</p> <p>🏆 SSSEIC – StreetScapes for a Social-Ecological Inclusive City: A Model for the Interdisciplinary Consideration of Streetscapes and Public Spaces S. TOBISCH, D. LOESCHENBRAND, A. PSENNER TU Wien, Institute of Urban Design and Landscape Architecture; Wien, AT</p> <p>Concrete Solutions for Climate Resilient Built Environments Claudia DANKL, Sebastian SPAUN Association of the Austrian Cement Industry; Vienna, AT</p>	<p>Starke Zentren in der Steiermark Stefan SPINDLER, David KAMMERHOFER Land Steiermark, Landes- und Regionalplanung; Graz, AT</p> <p>🏆 Erfolgsfaktoren und Herausforderungen der Öffentlichkeitsbeteiligung: ein Modell zur Verbesserung der Partizipation in kommunalen Transformationsprojekten Loba SAGNOL, Johannes PENKA, Ian BROW, Markus STÖCKNER, Carsten HAHN Hochschule Karlsruhe; DE</p> <p>Landes- und Regionalplanung in der Steiermark – aktuelle Handlungsschwerpunkte und Steuerungsinstrumente Marc SEEBACHER Land Steiermark, Landes- und Regionalplanung; Graz, AT</p> <p>🏆 Gesundheitsversorgung im Wandel – Entscheidungsunterstützung für die Planung in einer alternden Gesellschaft Marvin STIEWING, Kirsten MANGELS RPTU Kaiserslautern-Landau, Fachgebiet Regionalentwicklung und Raumordnung; Kaiserslautern, DE</p>
16:30-17:00	Coffee Break		





Tuesday, 15 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
<p>Smart Planning Tools Chair: Linda DÖRRZAPF</p>	<p>Towards Multimodal Mobility Hubs in Austria: Typology, Standards and Cooperation</p>	<p>Land Use Development Trends Chair: Siphwiwe MBATHA</p>	<p>15:00-16:30</p>
<p>🏆 Introducing a Financial Twin App for Exploration and Comparison of Municipal Financial Patterns Pankaj KUMAR SHARMA*, Sibylle HESTERMANN*, Julia MAYER** * RPTU Kaiserslautern; DE ** DFKI; Kaiserslautern, DE</p> <p>🏆 Dynamics of Conscious, Individual and Collective Unconscious T. POPOVICH*, P. ELISEI**, V. V. POPOVICH*, M. SCHRENK***, J. RYSER** * IST BUREAU LLC.; Saint-Petersburg, Russia ** ISOCARP; The Hague, NL *** CORP; Vienna, AT</p> <p>🏆 Examining the Influence of 4IR Technologies in Urban Planning: A Case of the City of Johannesburg Siphwiwe MBATHA Univ. of Johannesburg; South Africa</p> <p>Machine Learning Approaches for Designing Sustainable Planning Regulations Julia FORSTER, Stefan BINDREITER TU Wien, Institute of Spatial Planning; Wien, AT</p> <p>AI-Driven Intelligent Traffic Signal Control for Reducing Congestion in Erbil and Globally: A Data-Driven Approach Aland Gailan Mustafa REWI University of Kurdistan Hewlêr, Erbil, Iraq</p>	<p><i>austriatech</i></p> <p>Workshop: Developing Cooperation Models for Multimodal Hubs in Austria</p> <p>This workshop will focus on cooperation models for multimodal mobility hubs in Austria. Based on existing literature and best practices, six distinct hub types have been identified using specific criteria. To further refine these classifications, case studies of Austrian railway stations were analyzed to highlight their strengths and reveal untapped potential for improvement.</p> <p>During the workshop, participants will engage in discussions on the services and assets each station type should have, as well as the necessary stakeholder cooperation structures that facilitate their successful development. By bringing together experts and practitioners from various fields, the session aims to foster a deeper understanding of how multimodal hubs can be planned, implemented and operated optimally to enhance connectivity, accessibility, and overall efficiency within Austria's transportation network.</p> <p>We invite researchers, policymakers, and industry professionals to join us in shaping the future of multimodal mobility!</p>	<p>🏆 Formalising the Informal: A Multi-Stakeholder Approach to Sustainable Urban Development in South Africa Mhlalisi MNDZEBELE, Trynos GUMBO, Vuyiswa LETSOKO Univ. of Johannesburg; South Africa</p> <p>🏆 Urban Sprawl in Riyadh: Assessing the Impacts of Horizontal Expansion on Sustainability and Quality of Life Majdi ALKHRESHEH Al Yamamah University, Architecture; Riyadh, Saudi Arabia</p> <p>🏆 Unpacking the Drivers of Gentrification: A Systematic Review of Selected African Countries Bonolo LETLAPE, Trynos GUMBO, Mhlalisi MNDZEBELE, Kammila NAIDOO Univ. of Johannesburg; South Africa</p> <p>🏆 Exploring the Socio-Economic and Ecological Impacts of Unlawful Land Use: A Case Study from Louis Trichardt, Makhado Municipality Ambani LUDERE, Thulisile MPHAMBUKELI Univ. of Johannesburg; South Africa</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Tuesday, 15 April 2025

Time	Auditorium 1	Auditorium 2
17:00-18:30	Extreme Challenges in Land Use Planning Chair: Stefan KLASNIC	Nachhaltigkeit im Verkehr Chair: Martijn KIERS
MONDAY TUESDAY WEDNESDAY	<p>Data-driven Municipal Resilience Quantification for Extreme Weather Events – Application of Dataspace Functionalities for Disaster Management Kai FISCHER, Jet Hoe TANG, Florian LÜTTNER Fraunhofer EMI; Efringen-Kirchen, DE</p> <p>🏆 Regime Complexities in the Political Economy of Cobalt Mining in the DRC Jeleel Abiola BALYAMINU*, Thulisile MPHAMBUKELI**, Tinashe MAGANDE** * Leiden University; Leiden, NL ** Univ. of Johannesburg; South Africa</p> <p>🏆 Moving from Pilot to Scale: a comparative Study of Innovate Shelter and Settlements Response Project for Urban IDPs in Mekelle and Adigrat, Tigray, Ethiopia Samuel Bekele JOTE*, Domenico PATASSINI**, Jacopo GALLI ** * Mekelle University and University of Venice; Tigray, Ethiopia, ** University of Venice, Italy</p> <p>🏆 Did we Build Enough? Pleadings based on Statistics and Technologies for the Building Stock Ulrich PONT TU Wien, Building Physics & Building Ecology; Wien, AT</p> <div style="background-color: #4b365d; color: white; padding: 10px; text-align: center; margin-top: 20px;"> <p><i>What's coming up next?</i></p> <p><i>Our live conference guide</i></p> <p><i>http://live.corp.at</i></p> <p><i>has the answer</i></p> </div>	<p>🏆 Entwicklung eines Bewertungssystems für Radverkehrsnetze auf der Grundlage eines digitalen Modells und einer 4-D-Bewertungsmethode Jiayao QIU*, Felix TAUBITZ*, Ian BROW**, Markus STÖCKNER**, Christian HOLLDORB* * Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE ** Baden-Württemberg Institut für Nachhaltige Mobilität; Karlsruhe, DE</p> <p>🏆 Das Konzept des 15-Minuten-Stadtquartiers in städtischen Randlagen – zwischen Traum und Wirklichkeit Roman KLEMENTSCHITZ, Georgia CHARALAMPIDOU, Yusak SUSILO Universität für Bodenkultur, Institut für Verkehrswesen; Wien, AT</p> <p>Die Entwicklung des Grazer Straßenbahnnetzes Andreas SOLYMOS Holding Graz kommunale Dienstleistungen GmbH, Planungsmanagement und Infrastruktur; Graz, AT</p> <p>🏆 Überholabstände Kfz – Rad: Ergebnisse aus Realexperimenten und Planungsempfehlungen Catharina LUTZ, Jochen ECKART, Michael FATH Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE</p> <p style="text-align: right; margin-top: 20px;">Presentations marked with 🏆 are reviewed papers.</p>
from 18:30	Official REAL CORP 2025 Evening Reception at FH Joanneum	





Tuesday, 15 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
<p>Cites and Regions for All Chair: Hans Rüdiger KAUFMANN</p>	<p>Workshop: Enhancing Sustainable Mobility of Children and Youth</p>	<p>Urban Planning in South Africa Chair: Trynos GUMBO</p>	17:00-18:30
<p>🏆 Utilisation of Digital Marketing Platforms for Customer Engagement in Sustainability in the Net Zero Energy Transition in the German Building Sector Phuong TRAN THI THU*, Hans Rüdiger KAUFMANN** * Hochschule der Wirtschaft für Management (HdWM), Vietnam Sustainability Social Enterprise; Mannheim, DE ** HdWM; Mannheim, DE</p> <p>Common Goods and Modern Commons: Insights on Energy Communities from the Energy4All Project Stefan GEIER*, Stefanija HRLE AIELLO**, Lucia DAMBERGER*** * BOKU Vienna, IRUB; Wien, AT ** Roma, Italy*** Wien, AT</p> <p>🏆 From Metropolitan POPS to Medium City Social Spaces: Adapting Public-Private Collaboration for Urban Development Mohammad MOHAMMADI, Erwin HEURKENS Delft University of Technology, NL</p> <p>🏆 Exploring the Intersection of Gender Equality, Urban Planning, and Sustainability: A Systematic Review Vuyiswa LETSOKO, Nompumelelo MZOBE, Trynos GUMBO Univ. of Johannesburg; South Africa</p> <p>🏆 Spatialisation of Women Street Traders in Cities: Lessons of Newcastle Nompumelelo PETUNIA, Thulisile MPHAMBUKELI, Trynos GUMBO Univ. of Johannesburg; South Africa</p>	<p><i>austriatech</i></p> <p>Workshop Timeline:</p> <p>(1) Introduction and Welcome (10 minutes)</p> <p>(2) Presentation: National Best Practices in Sustainable Mobility Education (20 minutes) Overview of sustainable mobility concepts (e-mobility, shared mobility, active mobility). Discussion on the importance of sustainable mobility for health, environment, and social inclusion. National scope of education materials</p> <p>(3) Interactive Discussion: Challenges and Opportunities in Mobility Education (15 minutes) Group discussion on current challenges in mobility education. Sharing of experiences and ideas for improving mobility education in schools. Identification of opportunities for integrating new technologies and digitalisation in mobility education.</p> <p>(4) Introduction to the Gamified Approach (10 minutes) Explanation of the gamified concept and its benefits for engaging students. Overview of the serious game and its objectives.</p> <p>(5) Serious Game Activity (30 minutes) Participants are divided into groups. Each group plays the serious game, facing different mobility challenges. Facilitators guide the activity and provide support as needed.</p> <p>(6) Reflection (10 minutes) Groups share their experiences and insights from the game. Discussion on how the game can be used in educational settings. Reflection on the key takeaways from the workshop.</p> <p>(7) Conclusion and Next Steps Summary of the workshop highlights. Information on additional resources and support for implementing sustainable mobility education. Q&A session and closing remarks.</p> <p>Workshop Topics: see page 8!</p>	<p>🏆 Addressing Regional Disparities in South Africa's Just Energy Transition: A Case for Green Infrastructure Planning Stanley NKOSI, Thembanani MOYO, Eric Nyembezi MAKONI, Thulisile Ncamsile MPHAMBUKELI Univ. of Johannesburg, South Africa</p> <p>🏆 Towards Resilient Energy Systems: The Role of BIM and GIS Integration in Southern Africa Stanley NKOSI, Thembanani MOYO, Eric Nyembezi MAKONI, Thulisile Ncamsile MPHAMBUKELI Univ. of Johannesburg; South Africa</p> <p>🏆 Urbanisation and Mixed-Income Residential Development in South African Townships: A Case Study of Olievenhoutbosch Boke Elliot MATAHA, Mueletshedzi Helen PHOSHO, Trynos GUMBO, Eric MAKONI Univ. of Johannesburg; South Africa</p> <p>🏆 Urban Planning and the Politics of Spatial Integration in South Africa: the Fluerhof Mixed-Income Housing Experiences Mueletshedzi Helen PHOSHO*, Trynos GUMBO*, Eric MAKONI*, Alain KIBANGOU** * Univ. of Johannesburg; South Africa ** Université Grenoble Alpes, Electrical Engineering and Industrial Informatics; Grenoble, France</p>	

MONDAY

TUESDAY

WEDNESDAY

SCHEDULE

Wednesday, 16 April 2025

Time	Auditorium 1	Auditorium 2
09:30-11:00	How to Fight Climate Change Chair: Stefan KLASNIC	Transformation der Stadt Chair: Uschi DORAU
MONDAY	<p>🏆 AI-Bireh Resilient City Amneh ABU SHARAR AI-Bireh Municipality, Urban Planning Department; AI-Bireh, Palestine</p>	<p>Lebenswelten internationaler Arbeits- und Fachkräfte am Innovationsstandort Heilbronn Katharina DIENES*, Kübra MERCAN** * Fraunhofer IAO, Stadtsystemgestaltung; Stuttgart, DE ** Fraunhofer IAO; Stuttgart, DE</p>
TUESDAY	<p>Has the Climate Crisis Reached the Architectural Design Studio Teachings? A Comprehensive Analysis of Design Studio Descriptions from TU Wien in the Past 20 Years Ulrich PONT*, Sigrun SWOBODA** * TU Wien, Building Physics & Building Ecology; Wien, AT ** TU Wien, Digital Architecture and Planning; Wien, AT</p>	<p>🏆 Zukunft Otto-Wagner-Areal – Transformation vom Spital zum New-European-Bauhaus-(NEB)-Quartier Uschi DORAU*, Anna HENKES*, Markus ZOLLER**, Heribert FRUHAUF** * Urban Innovation Vienna GmbH; Wien, AT ** Otto-Wagner-Areal Revitalisierung GmbH; Wien, AT</p>
WEDNESDAY	<p>Urban Climate Futures Lab (UCFL): Advancing Inter- and Transdisciplinary Research for Sustainable Urban Development V. CARLOW*, A. KAUSE**, M. PROMINSKI***, O. MUMM*, M. MUÑOZ HIDALGO*, L. BIENZEISLER*, N. BUCHHOLZ****, E. ENDRES*, B. FRIEDRICH*, P. GRIMMEL*, M. HEHLE*, C. HERRMANN*, L. HOLZ**, K. KAPITZA****, M. MENNENGA*, F. PETRE*, C. TEICHMANN****, R. ZERINGUE*, D. ZIEBELL*** * TU Braunschweig, DE ** Leuphana University Lüneburg, DE *** Leibniz University Hannover, DE **** ARL – Academy for Territorial Development in the Leibniz Association; Hannover, DE ***** Helmholtz-Zentrum Hereon; Hamburg, DE</p> <p>The Climate Information System Graz KIS – Strategic Tool for Future Plannings Martin JURY, Dominik PIRINGER City of Graz, Surveying Department, Environmental Department; Graz, AT</p>	<p>🏆 Akustik im Städtebau – vom Potenzial für eine gesundheitsorientierte, nachhaltige Stadtentwicklung Hanna POTULSKI*, Vanessa OVERHAGE**, Marina KREMER**, Lukas ASPÖCK** * RWTH Aachen University, Institut für Städtebau und Europäische Urbanistik; Aachen, DE ** RWTH Aachen University, Institut für Textiltechnik; Aachen, DE</p>
11:00-11:30	Coffee Break	

Presentations marked with 🏆 are reviewed papers.



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**LIVE
CONFERENCE
GUIDE**





Wednesday, 16 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
<p>Smart City Insights Chair: Dirk ENGELKE</p>	<p>Urban & Rural Transformation Chair: Christian EIZINGER</p>	<p>Planning and People Chair: Mhlalisi MNDZEBELE</p>	09:30-11:00
<p>🏆 Analysis of rSOC Systems to Support the Energy Supply of Modern Positive Energy Districts C. BERNSTEINER*, J. GANGL-BAUER**, R.PRATTER* * 4ward Energy Research GmbH; Graz, AT ** Graz, AT</p> <p>A Comprehensive Evaluation Framework for Smarter Cities and Real Estate Tarek AL-RIMAWI, Michael NADLER Technical University Dortmund, Faculty of Spatial Planning; Dortmund, DE</p> <p>🏆 Gamification in the Smart City: Insights from Participation and Communication Processes M. LICHT, K. ALBRECHT, M. KHALED ASHMAWY, M.-J. SCHOLTEN-REINTJES, U. NETHER, A. HÄUSLER Technische Hochschule Ostwestfalen-Lippe; Detmold, DE</p> <p>🏆 Exploring the Property Values of Logistics Facilities in the Vicinity of Cape Town International Airport Masilonyane MOKHELE Cape Peninsula University of Technology; Cape Town, South Africa</p> <p>Building a Sustainable World: Energy Planning Ornina Reevan Polus GALYANA University of Kurdistan Hewlêr, Erbil, Iraq</p>	<p>🏆 Investigating the Barriers to Successful Rural Development Projects: Bibliometric Analysis of Trends and Insights from South Africa (2014-2024) Vutlhari RIKHOTSO, Trynos GUMBO Univ. of Johannesburg; South Africa</p> <p>Application of Circular Economy Ecosystem Approach for Sustainable Rural Urban Integration Papiya Bandyopadhyay RAUT*, Sandeep Kumar RAUT**, Vivek KUMAR*** * School of Planning and Architecture, New Delhi; New Delhi, India ** Town and Country Planning Organisation; New Delhi, India *** Indian Institute of Technology Delhi; New Delhi, India</p> <p>Making Space for Work in Urban Growth: The Case of Zaanstad Municipality, The Netherlands Mathias LEHNER Municipality Zaanstad, Strategy and Research; Amsterdam, NL</p> <p>🏆 Urban Transformation Agenda in South Africa: A Spotlight on Designing Theoretically and Evidence-Based Urban Development Strategies Retsepile KALAOANE, Trynos GUMBO Univ. of Johannesburg; South Africa</p>	<p>🏆 Spatial Paradigms of Exclusion: Gated Communities and Post-Apartheid Inequality Valery MOEKELA, Thulisile MPHAMBUKELI, Eric MAKONI Univ. of Johannesburg; South Africa</p> <p>🏆 A Bibliometric Analysis Mapping the Evolving Research Landscape of Homelessness and Urban Security Vuyiswa LETSOKO, Eric MAKONI, Thulisile MPHAMBUKELI Univ. of Johannesburg; South Africa</p> <p>🏆 Creating Inclusive Community for the Elderly and Children: Spatio-Temporal Behaviour, Influence Mechanism and Space Optimisation Guanqiong CHE, Xu LAN Tianjin Cheng Jian University; Tianjin, China</p> <p>🏆 Navigating the Margins: The Interrelationship between Public Urban Open Spaces and Homelessness Phuluso LIDZHAE, Thulisile MPHAMBUKELI Univ. of Johannesburg; South Africa</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Wednesday, 16 April 2025

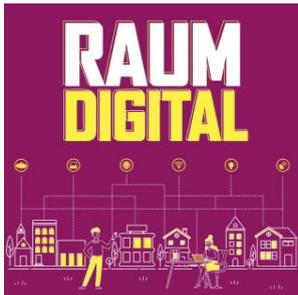
Time	Auditorium 1	Auditorium 2
11:30-13:00	Facing Heat Challenges Chair: Barbara GOLIČNIK MARUŠIĆ	Mobilität der Zukunft Chair: Christian EIZINGER
MONDAY TUESDAY WEDNESDAY	<p>🏆 The Contribution of Urban Climate Models for the Adaptation to Heat Stress – Lessons Learned from three Transdisciplinary Case Studies Steffen BENDER*, Miriam POTYKA**, Markus GROTH*, Martina SCHUBERT-FRISIUS* * Climate Service Center Germany (GERICS) - Helmholtz-Zentrum Hereon; Geesthacht, DE ** Samtgemeinde Hanstedt ; Hanstedt, DE</p> <p>🏆 Visual Analytics for Urban Heat Risk Assessment: A Scenario-Driven Dashboard for Exploring Microclimate Development Milena VUCKOVIC*, Johanna SCHMIDT** * VRVis; Vienna, AT ** TU Wien, Informatics; Vienna, AT</p> <p>🏆 Exploring Spatial Patterns of Urban Heat Islands in Zagreb Dino BEČIĆ, Alen PAŽUR Institute for physical planning of the City of Zagreb, Department of spatial analytics, geographic information systems, and sustainable planning; Zagreb, Croatia</p> <p>Smart and Urban Tree – Built Climate Change Mitigation U. PONT*, M. WÖLZL*, P.SCHOBER**, S.SWOBODA**, V. STIEGLER***, R. WOLFFHARDT***, P. BAUER****, Isabel AUER***** * TU Wien, Building Physics & Building Ecology; Wien, AT ** TU Wien, Digitale Architektur & Raumplanung; Wien, AT *** Holzforschung Austria; Wien, AT **** TU Wien, Tragwerkslehre und Ingenieuholzbau/Structural Design; Wien, AT ***** Weatherpark GmbH.; Wien, AT</p> <p>Air Pollution in Erbil and Globally Abdullah Khalid AHMED University of Kurdistan Hewlêr; Erbil, Iraq</p>	<p>🏆 land.mobil:LAB – regionale Mobilitätslabore als Treiber integrierter Mobilitätssysteme zur Förderung nachhaltiger Entwicklung, sozialer Integration und Steigerung der Lebensqualität im ländlichen Raum am Beispiel des Waldviertels in Niederösterreich Céline SCHMIDT-HAMBURGER*, Elias GRINZINGER**, Daniel YOUSSEF** * TU Wien, Research Unit of Transportation Systems (move); Vienna, AT ** TU Wien, Research Unit of Regional Planning and Regional Development; Vienna, AT</p> <p>Innovationen in die Praxis! Wie die österreichische Mobilitätslabor-Initiative Innovationen fördert Kathrin RAUNIG, Stefanie BLANK AustriaTech; Vienna, AT</p> <p>Datengestützte Optimierung der ÖV-Anbindung zwischen Salzburger Flughafen und Tourismusregionen Günter GRUBER, Dagmar LAHNSTEINER Research Studios Austria FG, Research Studio iSPACE; Salzburg, AT</p>
13:00-14:00	Lunch Break	

Presentations marked with 🏆 are reviewed papers.





Wednesday, 16 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
<p>Holistic Smart City Views Chair: Martijn KIERS</p>	<p>Social Housing Aspects Chair: Trynos GUMBO</p>	<p>Live-Aufnahme Podcast Raumdigital</p>	<p>11:30-13:00</p>
<p>Shrinking Cities or Resilient Communities? The Future of Kuzbass Coal Towns in the Post-Coal Era Daria TABULDINA Lic DAL, Saint Petersburg State University, St. Peterburg, Russia</p> <p>Digital Approaches to Dealing with Ageing-Related Challenges at Different Levels in Japan Jonas PAULY*, Karina PALLAGST*, Marian STUMPF*, Tetsuji UEMURA** * RPTU Kaiserslautern-Landau; DE ** Nomura Research Inst.; Tokyo, JP</p> <p>The Exploration of Smart Port Concept to Improve Efficiency and Productivity of the Port Vuyolwethu NDODA, Mhlalisi MNDZEBELE, Zenzile MBINZA Univ. of Johannesburg; South Africa</p> <p>Empowering Urban Transformation: The Role of Citizen Observatories in Inclusive and Data-Driven Governance A. KOZŁOWSKA*, M. VUCKOVIC**, Z. KHAN***, E. GEBETSROITHER-GERINGER*, E. COVATO***, S. MARTENS****, F. SANZ****, D. LÓPEZ-DE-IPÍÑA GONZÁLEZ-DE-ARTAZA*****, J. PETERS-ANDERS* * Austrian Inst. of Techn.; Vienna, AT ** VRVis GmbH; Vienna, AT *** Univ. West of England; Bristol, UK **** Breda Univ. of Appl. Science; NL ***** Ibercivis; Zaragoza, Spain ***** Univ. of Deusto; Bilbao, Spain</p> <p>Enhancing Urban Resilience through Integrated Energy, Climate, and Spatial Planning A. LINDORFER*, K. HÖFTBERGER*, F. SALVI**, M. SLAVICH**, S. TRŠINAR***, G. CALLINAN**** * UIV Urban Innovation Vienna; AT ** Area Science Park; Trieste, Italy *** REGEA; Zagreb, Croatia **** Tech. Uni. Shannon; Thurles, IRL</p>	<p>Critical Analysis of Net Zero Pathways for Affordable Housing in India Surjyatapa RAY CHOUDHURY, Nithya RAMESH, Vaishnavi SUBRAMANYA Jana Urban Space Foundation, Urban Design; Bengaluru, India</p> <p>Innovation in Informal Settlement Upgrading: A Case of Johannesburg Siphiwe MBATHA, Trynos GUMBO Univ. of Johannesburg; South Africa</p> <p>Analysing Population Displacement and Financial Precarity Induced by Gentrification based on Social Mix Perspective Tzu-Ling CHEN University of Taipei; Taiwan</p> <p>Competitive Cities: An Exploration of Location and Human Capital in South African Cities Mpho MASHEGO, Vuyiswa LESTOKO, Aurobindo OGRA Univ. of Johannesburg; South Africa</p>	<p>Host: Dirk ENGELKE, Professor OST Ostschweizer Fachhochschule</p> <p>Gast: Petra HURTADO, Chief Foresight & Knowledge Officer APA</p>  <p>Wie digital ist die Raumplanung? Kann Technologie nachhaltige Entwicklung fördern – oder steht sie ihr im Weg? Live-Aufzeichnung des Podcasts Raumdigital. Host Dirk Engelke und Petra Hurtado sprechen über zentrale Zukunftsfragen der Raumplanung. Im Fokus stehen die Trends aus dem APA Foresight Report sowie die wachsende Rolle künstlicher Intelligenz in der Raumplanung. Diskutiert werden Anwendungen, Chancen und Risiken von KI – etwa als Entwurfs- oder Analysewerkzeug – sowie die Raumwirksamkeit von Robotern. Gemeinsam geht es um die Frage, wie Planende und die Planung mit der technologischen Dynamik Schritt halten können.</p> <p>Alle Folgen auf Spotify, Apple Podcast und Amazon Music oder auf dem Blog Raumdigital https://raumdigital.ost.ch</p>	<p>11:30-13:00</p>

MONDAY

TUESDAY

WEDNESDAY

SCHEDULE

Wednesday, 16 April 2025

Time	Auditorium 1	Auditorium 2
14:00-14:30	Post-Lunch Keynote	
MONDAY	 <p>Future of Inclusive and Sustainable Neighbourhoods: Creating Platforms for Accelerating Project Implementation Haris PIPLAS ETH Zurich, Switzerland/Drees & Sommer; Stuttgart, DE</p> <p style="text-align: right;">Grand Hall</p>	
TUESDAY	<p>14:30-16:00</p> <p>Sustainable Urban Development Chair: Hans Rüdiger KAUFMANN</p>	<p>Vulnerabilität und Resilienz Chair: Martijn KIERS</p>
WEDNESDAY	<p>Exploring Residents' Attitudes Towards Participation in Urban Renewal: A Case Study in the Xiaopenghu Area in Chiayi, Taiwan Yu-Shan HUANG, Ping-Li CHEN National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan</p> <p>🏆 Exploring the Role of Urban Identity in Sustainable Development: The Conceptual Framework and Methodological Steps for its Application in Serbia Ana NIKOVIĆ, Božidar MANIĆ, Nataša ČOLIĆ MARKOVIĆ Institute of Architecture and Urban and Spatial Planning of Serbia; Beograd, Serbia</p> <p>🏆 Retrofitting the Future: Sustainable Development through Inclusive Community Initiatives in the Region Mitteldeutsches Revier Ana Beatriz RIBEIRO, Lucina DIEHL Leipzig University, SEPT Competence Center, Faculty of Economics; Leipzig, DE</p> <p>Energy Optimised Settlements – Enabler for Necessary Civilization Targets Roland MÖSL Planetary Engineering Group Earth; St. Leonhard, AT</p>	<p>🏆 Vulnerabilitäts-Schnellanalyse für die praxisnahe Anwendung in Städten – das VESPA-Tool Ernst GEBETSROITHER-GERINGER*, Tanja TÖTZER*, Hans KRAMAR**, Wolfgang GERLICH***, Johannes BROSSMANN*** * AIT Austrian Institute of Technology, Center for Energy; Vienna, AT ** Technische Universität Wien, Stadt- und Regionalforschung; Vienna, AT *** PlanSinn Planung & Kommunikation GmbH; Vienna, AT</p> <p>🏆 Krisensicher und lebendig: Die Rolle resilienter öffentlicher Räume für die zukunftsfähige Stadt Lennart BRUSS, Poliksen QORRI-DRAGAJ, Anna KUZYSHYN University of Kaiserslautern, Chair of Urban Planning; Kaiserslautern, DE</p> <p>🏆 Mobilfunkdaten-gestützte Analyse des Mobilitätsverhaltens infolge extremer Wettersituationen Michael HABERL*, Michael CIK**, Markus STREIBL*, Florian FUCHS*, Kevin WINTER* * Invenium Data Insights GmbH; Graz, AT ** Technische Universität Graz; Graz, AT</p>
16:00-16:30	Conference Closing: Summary, Outlook, Perspectives	
		Grand Hall





Wednesday, 16 April 2025

Auditorium 3	Auditorium 4	Auditorium 5	Time
Housing of the Future Chair: Stefan KLASNIC	Sustainable Land Use Chair: Artur SWANENBERG	The Future of Planning Studies Chair: Bonolo LETLAPE	14:30-16:00
<p>Circularity and Timber Prefabs: Inquiries towards Re-Using Potential of Prefabricated Timber Houses Ulrich PONT*, Alexander LADENTROG*, Gideon RIEDEL*, Sigrun SWOBODA*, Peter SCHOBER*, Irmgard MATZINGER** * TU Wien, Institute of Architectural Sciences; Wien, AT ** Fachverband der Holzindustrie Österreich; Wien, AT</p> <p>Affordable Housing as a Tool to Combat Segregation in the City of Johannesburg Eugiania RAVELE, George ONATU Univ. of Johannesburg; South Africa</p> <p>Vienna's Supertanker: Viennese Social Housing from the 1950s to the 1980s as a Case Study for Fast and Sustainable Re-Attraction of Cities Ulrich PONT TU Wien, Building Physics and Building Ecology; Wien, AT</p> <p>Presentations marked with are reviewed papers.</p>	<p> Territorial and Economic Evolution of Retail in Flanders: Post-Pandemic Suburbanisation and Dispersion? Jan ZAMAN*, Alban POLS*, Jan BOOTS**, Saartje PRINSEN**, Mathias DECLERCK** * Idea Consult; Brussels, Belgium ** CityD-WES; Genk/Brugge, Belgium</p> <p>Urban Corridors as a Tool for Sustainable Development: Case Studies from Brazil and Greece Roland KREBS, Ariela DE OLIVEIRA Superwien Urbanism; Vienna, AT</p> <p> Evaluating the Effectiveness of Spatial Development Policies in Promoting Spatial Justice and Integration in Johannesburg Nolwazi KAKANA, Thulisile MPHAMBUKELI, Eric MAKONI Univ. of Johannesburg; South Africa</p> <p> Sheltering the Displaced: Lessons from Global Disasters and Conflicts Eugiania RAVELE, Trynos GUMBO Univ. of Johannesburg; South Africa</p>	<p> Translating the Planning Lexicon: a Systematic Review towards Localised Planning Glossaries in South Africa Louis LATEGAN Cape Peninsula University of Technology/North-West University; Cape Town/Potchefstroom, South Africa</p> <p> Reconnecting Academia and Practise: Curriculum Improvement in Urban and Regional Planning Education Vuyiswa LETSOKO, Ockert PRETORIUS, Thulisile MPHAMBUKELI, Themban MOYO Univ. of Johannesburg; South Africa</p> <p> Positioning Planning: Faculty Placement and Curricular Divergence in South African Planning Schools Vuyiswa LETSOKO, Ockert PRETORIUS Univ. of Johannesburg; South Africa</p> <p> Planning is Local: A Systematic Review of Decentralised Urban Planning Research and Practise in the SADC Region Mhlalisi MNDZEBELE, Trynos GUMBO Univ. of Johannesburg; South Africa</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

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Perfect Smart Cities
vs.
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2020: Shaping Urban Change – Livable City Regions for the 21st Century

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2018: Expanding Cities – Diminishing Space

2017: Panta Rhei – a World in Constant Motion

2016: Smart Me Up! How to become and how to stay a Smart City, and does this improve quality of life?

2015: Plan Together – Right Now – Overall. From Vision to Reality for Vibrant Cities and Regions

2014: Plan it Smart – Clever Solutions for Smart Cities

2013: Planning Times – You better Keep Planning or You get in Deep Water, for the Cities they are A-Changin’

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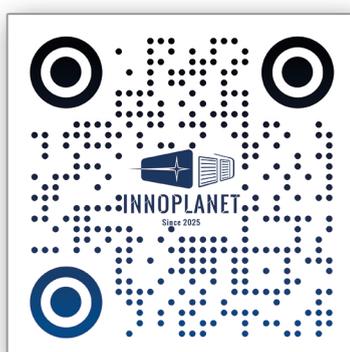
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AUTHORS AND SPEAKERS

ABDELFATTAH, Dalia; Assistance professor; Al Yamamah University, Architecture; Riyadh, Saudi Arabia

ABU SHARAR, Amneh; Al-Bireh municipality, Urban planning department; Al-Bireh, Palestine

AGUGIARO, Giorgio; Ass.Prof. Dr.; Delft University of Technology; Delft, NL

AL-RIMAWI, Tarek; M.Sc.; Technical University Dortmund, Chair Real Estate Development, Faculty of Spatial Planning; Dortmund, DE

ALBRECHT, Kyra; B.A.; Technische Hochschule Ostwestfalen-Lippe, Institute for Design Strategies; Detmold, DE

ALKHRESHEH, Majdi; Assistant Professor; Al Yamamah University, Architecture; Riyadh, Saudi Arabia

ALRAOUF, Ali A.; Hamad Bin Khalifa University, Architecture and Urbanism; Doha, Qatar

ARKO, Sara; PhD; University of Ljubljana; Ljubljana, Slovenia

ASHWORTH, Simon; ZHAW, Institute of Facility Management; Waedenswil, CH

ASPÖCK, Lukas; Dr.-Ing.; RWTH Aachen University, Institut für Textiltechnik; Aachen, DE

AUER, Isabel; MSc.; Weatherpark GmbH.; Wien, AT

BACK PROCHNOW, Simone; Dr.; Federal University of Rio Grande do Sul; Porto Alegre, Brazil

BAILEY, Keiron; Associate Professor; University of Arizona, Research, Innovation and Impact; Tucson, USA

BAKER, Douglas; Professor; Queensland University of Technology, School of Architecture and Built Environment; Brisbane, Australia

BALOH, Maja; Project manager; Geodetic institute of Slovenia; Ljubljana, Slovenia

BALYAMINU, Jeleel Abiola; Leiden University, Africa Study Centre; Leiden, The Netherlands

BARBORIC, Blaz; Project manager; Geodetic institute of Slovenia; Ljubljana, Slovenia

BARTIK, Herbert; Mag.; Urban Innovation Vienna GmbH, Stadtentwicklung & Mobilität; Wien, AT

BAUER, Stephanie; Forstamt Karlsruhe; Karlsruhe, DE

BAUER, Peter; Univ.Prof.; TU Wien, Tragwerkslehre und Ingenieurbau/Structural Design; Wien, AT

BEČIĆ, Dino; Institute for physical planning of the City of Zagreb, Department of spatial analytics, geographic information systems, and sustainable planning; Zagreb, Croatia

BENDER, Steffen; Apl.-Prof.; Climate Service Center Germany – Helmholtz-Zentrum Hereon; Geesthacht, DE

BERNSTEINER, Christof; 4ward Energy Research GmbH; Graz, AT

BEYER, Clemens; Dipl.-Ing.; CORP; Vienna, AT

BIENZEISLER, Lasse; Dr.-Ing.; Technische Universität Braunschweig, Institute of Transportation and Urban Engineering; Braunschweig, DE

BINDER, Christoph; M. Eng.; Universität der Bundeswehr München; Neubiberg, DE

BINDREITER, Stefan; DI, MSc; TU Wien, Institute of Spatial Planning; Wien, AT

BISKUP, André; OST Eastern Switzerland University of Applied Sciences; Rapperswil, CH

BLANK, Stefanie; AustriaTech; Vienna, AT

BLOCK, Sebastian; Dr.; Heidelberg Institute for Geoinformation Technology; Heidelberg, DE

BOOTS, Jan; CityD-WES; Genk, Belgium

BROSCHART, Daniel; Dr.-Ing.; Stadt Landsberg am Lech, Referat Digitaler Zwilling, Klimaschutz und Mobilität; Landsberg am Lech, DE

BROSSMANN, Johannes; PlanSinn Planung & Kommunikation GmbH; Vienna, AT

BROW, Ian; M.Sc.; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

BRUSS, Lennart; M.Sc.; University of Kaiserslautern, Chair of Urban Planning; Kaiserslautern, DE

BUCHBERGER, Bruno; Prof. Dr.; Johannes Kepler University, Research Institute for Symbolic Computation; Linz, AT

BUCHHOLZ, Nele; ARL – Academy for Territorial Development in the Leibniz Association; Hannover, DE

BÜLOW, Katharina; Dr.; Climate Service Center Germany – Helmholtz-Zentrum Hereon; Hamburg, DE

CALLINAN, Gloria; MA; Technological University of the Shannon; Thurles, Ireland

CARLOW, Vanessa Miriam; Prof. Dr.; Technische Universität Braunschweig, ISU – Institute for Sustainable Urbanism; Braunschweig DE

CHANG, Hsueh-Sheng; Professor; National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan

CHAR DA SILVA, Natana; MSc; YEWOW LANDSCAPES GmbH, Urban Design Team; Vienna, AT

CHARALAMPIDOU, Georgia; MEng; Universität für Bodenkultur, Institut für Verkehrswesen; Wien, AT

CHE, Guanqiong; Tianjin Cheng Jian University; Tianjin, China

CHEN, Ping-Li; Assistant Professor; National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan

CHEN, Tzu-Ling; Associate Professor; University of Taipei; Taipei, Taiwan

CIK, Michael; Technische Universität Graz; Graz, AT

ČOLIĆ MARKOVIĆ, Nataša; Dr.; Institute of Architecture and Urban and Spatial Planning of Serbia; Beograd, Serbia

COORS, Volker; Prof Dr.; Hochschule für Technik Stuttgart; Stuttgart, DE

COVATO, Elisa; Dr.; University of the West of England; Bristol, UK

DAMBERGER, Lucia; Wien, AT

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DANKL, Claudia; Dipl.-Ing.; Association of the Austrian Cement Industry; Vienna, AT

DE OLIVEIRA, Ariela; Superwien Urbanism; Vienna, AT

DECLERCK, Mathias; CityD-Wes; Brugge, Belgium

DEUTSCH, Michael; Dipl.-Ing.; Stadt Graz, Stadtplanung; Graz, AT

DIEHL, Lucina; Leipzig University, SEPT Competence Center, Faculty of Economics; Leipzig, DE

DIENES, Katharina; Fraunhofer IAO, Stadtsystemgestaltung; Stuttgart, DE

DJUKIĆ, Aleksandra; Prof. Dr.; University of Belgrade, Department of Urbanism; Belgrade, Serbia

DOPHEIDE, Ralf; Dipl.-Ing. Ralf Dopheide e.U.; Wien, AT

DORAU, Uschi; Dipl.-Ing.; Urban Innovation Vienna GmbH; Wien, AT

DRAGE, Thomas; City of Graz, Executive Office for Urban Planning, Development and Construction; Graz, AT

DRAXLER, Sandra; JOANNEUM RESEARCH Forschungsgesellschaft mbH, DIGITAL; Graz, AT

EBERHARDT, Daniel; Fraunhofer EMI, Hazard and Risk Analysis; Efringen-Kirchen, DE

EBRAHIMIGHAREHBAGHI, Shima; PhD; Institut for European Energy and Climate Policy; Amsterdam, NL

ECKART, Jochen; Prof.; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

EDER, Christoph; 3D RealityMaps GmbH; München, DE

ELISEI, Pietro; Urbasofia; Bucharest, Romania

ENDRES, Elisabeth; Prof.; Technische Universität Braunschweig, DE

ENGELKE, Dirk; Prof. Dr.; OST Eastern Switzerland University of Applied Sciences; Rapperswil, CH

FALLAST, Marie-Therese; PLANUM; Graz, AT

FATH, Michael; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

FISCHER, Kai; Dr.; Fraunhofer EMI, Robustness and Resilience Analysis; Efringen-Kirchen, DE

FISCHER, Marina; 3D RealityMaps GmbH; München, DE

FISCHER, Tatjana; Priv.-Doz. Mag. Dr.; University of Natural Resources and Life Sciences, Institut für

AUTHORS AND SPEAKERS

Raumplanung, Umweltplanung und Bodenordnung (IRUB); Wien, AT

FORSTER, Julia; DI Dr.; TU Wien, Institute of Spatial Planning; Wien, AT

FOUILLOUX, Anne; Dr.; Simula; Oslo, Norway

FRANCHINI, Teresa; Temanova; Madrid, Spain

FRIEDRICH, Bernhard; Univ.-Prof. Dr.-Ing.; Technische Universität Braunschweig, DE

FRUHAUF, Heribert; DI; Otto-Wagner-Areal-Revitalisierung GmbH; Wien, AT

FUCHS, Florian; Invenium Data Insights GmbH; Graz, AT

GALLI, Jacopo; Assistant professor; IUAV, University of Venice, School of doctoral studies; Venice, Italy

GANGLBAUER, Johanna; 4ward Energy Research GmbH; Graz, AT

GEBETSROITHER-GERINGER, Ernst; AIT Austrian Institute of Technology; Vienna, AT

GEIER, Stefan; Dipl.-Ing.; BOKU Vienna, IRUB; Wien, AT

GERLICH, Wolfgang; PlanSinn Planung & Kommunikation GmbH; Vienna, AT

GOLIČNIK MARUŠIČ, Barbara; Dr.; UIRS; Ljubljana, Slovenia

GRASSER, Gerlinde; FH Joanneum; Graz, AT

GRIMMEL, Philipp; Technische Universität Braunschweig, Institute of Machine Tools and Production Technology (IWF); Braunschweig, Germany

GRINZINGER, Elias; Dipl. Ing.; TU Wien, Research Unit of Regional Planning and Regional Development; Vienna, AT

GROSSARDT, Ted; Founder; Vox Populi LLC; Lexington, USA

GROTH, Markus; Dr.; Climate Service Center Germany – Helmholtz-Zentrum Hereon; Hamburg, DE

GRUBER, Günter; M.Sc.; Research Studios Austria FG, Research Studio iSPACE; Salzburg, AT

GUMBO, Trynos; Professor; University of Johannesburg, Department

of Urban and Regional Planning; Johannesburg, South Africa

HAAS, Franziska; Bayerisches Landesamt für Denkmalpflege, Kommunale Denkmalkonzepte; Memmelsdorf, DE

HAASE, Matthias; ZHAW, Institute of Facility Management; Wädenswil, CH

HABERL, Michael; Invenium Data Insights GmbH; Graz, AT

HAHN, Carsten; Prof. Dr.; Hochschule Karlsruhe, xLab; Karlsruhe, DE

HAINOUN, Ali; Dr.-Ing.; AIT Austrian Institute of Technology GmbH, Centre for Energy; Vienna, Austria

HÄUSLER, Axel; Prof. Dr.; Technische Hochschule Ostwestfalen-Lippe, Institute for Design Strategies; Detmold, DE

HEHLE, Mathias; Technische Universität Braunschweig, Institute for Building Climatology and Energy of Architecture; Braunschweig, Germany

HENKES, Anna; MA BA; Urban Innovation Vienna GmbH, Innovation & Digitalisierung; Wien, AT

HENNINGER, Sascha; Prof. Dr.; RPTU Kaiserslautern-Landau, Fachbereich Raum- und Umweltplanung; Physische Geographie; Kaiserslautern, DE

HERMENS, Sarah; M.Sc.; RWTH Aachen University, Institute for Urban Design and European Urbanism; Aachen, DE

HERRMANN, Christoph; Prof. Dr.-Ing.; Technische Universität Braunschweig, DE

HESIK, Martin; DI MBA; Wien 3420 aspern Development AG, Vertrieb; Wien, AT

HESTERMANN, Sibylle; RPTU, FB Raum- und Umweltplanung; Kaiserslautern, DE

HEURKENS, Erwin; Ass. Prof.; Delft University of Technology, NL

HIROGAKI, Mitsunori; Dr.; Kyushu University, Graduate School of Economics; Fukuoka, Japan

HOFER-FISCHANGER, Kathrin; FH Joanneum; Graz, AT

HÖFTBERGER, Katharina; Dipl.-Ing., BA; UIV Urban Innovation

Vienna GmbH, Stadtentwicklung und Mobilität; Wien, AT

HOLLDORB, Christian; Prof. Dr. - Ing.; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

HOLZ, Lena; Leuphana University Lüneburg, Institute for Sustainability Psychology; Lüneburg, Germany

HORAK, Daniel; AIT Austrian Institute of Technology; Vienna, AT

HRLE AIELLO, Stefaniija; Roma, Italy

HSU, Chih-Po; National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan

HSUEH, Chin-Yu; Student; University of Taipei, Department of Urban Development; Taipei City, Taiwan

HUANG, Yu-Shan; National Cheng Kung University; Tainan, Taiwan

HURTADO, Petra; Dr.; American Planning Association, Chief Foresight and Knowledge Officer; Chicago, USA

HUSKOVA, Anna; NeboPole.Labs, Ukrainian Laboratory of Urbanism; Kamianske, Ukraine

ISHTIAQUE, Jabid; 3D Reality-Maps GmbH; München, DE

JACOBY, Christian; Prof. Dr.-Ing.; Universität der Bundeswehr München; Neubiberg, DE

JOLLY, Jennifer; University of Applied Sciences FH Joanneum; Graz, AT

JOTE, Samuel Bekele; Mekelle University and IUAV, University of Venice, architecture and urban planning; Tigray, Ethiopia

JUBANSKI, Julison; Dr.; 3D RealityMaps GmbH; München, DE

JURY, Martin; City of Graz, Surveying Department, Environmental Department; Graz, AT

KAKANA, Nolwazi; University of Johannesburg, Urban & Regional Planning; Johannesburg, South Africa

KALAOANE, Retsepile; Dr; University of Johannesburg; Johannesburg, South Africa

KAMMERHOFER, David; MSc; Land Steiermark, Landes- und Regionalplanung; Graz, AT

KAPITZA, Katharina; Dr.; ARL – Academy for Territorial Development in the Leibniz Association; Hannover, DE

KARNER, Markus; Dipl.-Ing. Mag.; RaumRadar ZT GmbH; Wolkersdorf, AT

KAUFMANN, Hans Rüdiger; Prof. Dr.; Hochschule der Wirtschaft für Management; Mannheim, DE

KAUSE, Astrid; Prof. Dr.; Leuphana University Lüneburg, Institute for Sustainability Psychology; Lüneburg, Germany

KERN, Katarina; PhD; Institut for Innovation and Development of University of Ljubljana; Ljubljana, Slovenia

KHALED ASHMAWY, Mohamed; M.Eng.; Technische Hochschule Ostwestfalen-Lippe; Detmold, DE

KHAN, Zaheer; Dr; University of the West of England; Bristol, UK

KIBANGOU, Alain; Prof; Université Grenoble Alpes; Grenoble, France

KIERS, Martijn; Dipl.-Ing.; FH Joanneum, University of Applied Science; Kapfenberg, AT

KLEMENTSCHITZ, Roman; Dr.; Universität Bodenkultur, Institut für Verkehrswesen; Wien, AT

KNASMILLNER, Elisabeth; RaumRegionMensch ZT GmbH; Wolkersdorf, AT

KNOLL, Bente; Dipl.-Ing.in Dr.in; B-NK GmbH Büro für nachhaltige Kompetenz; Wien, AT

KNUTZEN, Florian; Dr.; Climate Service Center Germany (GERICS) - Helmholtz-Zentrum Hereon; Hamburg, DE

KOSCHER, Raffael; Dipl.-Ing.; BOKU University, Institut für Raumplanung, Umweltplanung und Bodenordnung; Wien, AT

KOZLOWSKA, Anna; Msc; Austrian Institute of Technology GmbH; Vienna, AT

KRAMAR, Hans; Dr.; TU Wien, Stadt- und Regionalforschung; Vienna, AT

KRAMMER, Wilfried; City of Graz, Executive Office for Urban Planning, Development and Construction; Graz, AT





AUTHORS AND SPEAKERS

KREBS, Roland; Superwien Urbanism; Vienna, AT

KREMER, Marina; M.Sc.; RWTH Aachen University, Institut für Textiltechnik; Aachen, DE

KUHLMANN, Sophie Charlotte; Hochschule Koblenz, bkw; Koblenz, DE

KUMAR, Vivek; Professor; Indian Institute of Technology Delhi, Centre of Rural Development; New Delhi, India

KUMAR, Rajendra; Prof.; Lovely Professional University; Phagwara, Punjab, India

KUMAR SHARMA, Pankaj; RPTU, FB Informatik; Kaiserslautern, DE

KUZYSHYN, Anna; M.Sc.; University of Kaiserslautern, Chair of Urban Planning; Kaiserslautern, DE

LADENTROG, Alexander; Ing., BSc.; TU Wien, Institute of Architectural Sciences; Wien, AT

LAHNSTEINER, Dagmar; M.Sc.; Research Studios Austria FG, Research Studio iSPACE; Salzburg, AT

LAKIC, Edin; PhD; Institut for Innovation and Development of University of Ljubljana; Ljubljana, Slovenia

LAN, Xu; Tianjin Cheng Jian University; Tianjin, China

LATEGAN, Louis; Dr.; Cape Peninsula University of Technology, Urban and Regional Planning, North-West University; Cape Town/Potchefstroom, South Africa

LAUER, Felix; Engineer; Hochschule Mannheim, Cemos Institute; Mannheim, DE

LEHNER, Mathias; Msc; Municipality Zaanstad, Strategy and Research; Amsterdam, NL

LETLAPE, Bonolo; PhD Candidate; University of Johannesburg; Johannesburg, South Africa

LETSOKO, Vuyiswa; Dr.; University of Johannesburg, Department of Urban and Regional Planning; Doornfontein, South Africa

LICHT, Mareile; M.Sc.; Technische Hochschule Ostwestfalen-Lippe, Institute for Design Strategies; Detmold, DE

LICHTENBERG, Jos; Prof. dr. ir.; LLO40, Director; 5617 ac, NL

LIDZHADE, Phuluso; Prof; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

LINDORFER, Anna; Dipl.-Ing.; UIV Urban Innovation Vienna, Stadtentwicklung und Mobilität; Wien, AT

LOESCHENBRAND, Daniel; DI; TU Wien, Institute of Urban Design and Landscape Architecture; Wien, AT

LOIDL, Rainer; FH-Prof. Mag. Dr.; FH Joanneum, Soziale Arbeit; Graz, AT

LÓPEZ-DE-IPINA GONZÁLEZ-DE-ARTAZA, Diego; Dr; University of Deusto; Bilbao, Spain

LUDERE, Ambani; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

LÜTTNER, Florian; Fraunhofer EMI, Agent-based Simulation Methods; Efringen-Kirchen, DE

LUTZ, Catharina; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

MAGAGNA, Barbara; GO FAIR Foundation; Leiden, The Netherlands

MAGANDE, Tinashe; PhD; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MAJCEN, Martina; Dipl.-Ing.in Dr.in; AEE INTEC - Institut für Nachhaltige Technologien; Gleisdorf, AT

MAKONI, Eric Nyembezi; Dr; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MANGELS, Kirsten; Dr.-Ing.; RPTU Kaiserslautern-Landau, Fachgebiet Regionalentwicklung und Raumordnung; Kaiserslautern, DE

MANIĆ, Božidar; Dr; Institute of Architecture and Urban and Spatial Planning of Serbia; Beograd, Serbia

MARIĆ, Jelena; Ass. Prof.; University of Belgrade, Department of Urbanism; Belgrade, Serbia

MARTENS, Sjørs; Dr; Breda University of Applied Science; Breda, NL

MARUŠIĆ, Damjan; Dr.; DIPSTOR; Koper, Slovenia

MASHEGO, Mpho; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MATAHA, Boke Elliot; University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa

MATAUSCHEK, Christine; MA; Fresh Thoughts Consulting; Vienna, AT

MATHOI, Thomas; Dr.; University of Applied Sciences FH Joanneum, Institute for Civil Engineering and Architecture; Graz, AT

MATZINGER, Irmgard; Dipl.HTL. Ing.; Fachverband der Holzindustrie Österreich; Wien, AT

MAWLOOD, Dana; Prof. Dr.; University of Kurdistan Hewlêr, Vice President; Erbil, Iraq

MAYER, Clemens; MSc; Joanneum Research; Graz, AT

MAYER, Julia; DFKI; Kaiserslautern, DE

MBATHA, Siphiwe; Dr; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MBINZA, Zenzile; Senior Lecturer; University of Johannesburg, Urban and Regional Planning; South Africa

MEŠTROVIĆ, Mirna; MSc.; Institute for physical planning of the City of Zagreb, Croatia

MEIER, Arne; BSc.; B-NK GmbH Büro für nachhaltige Kompetenz; Wien, AT

MEINEL, Gotthard; Dr.; Leibniz-Institut für ökologische Raumentwicklung e.V.; Dresden, DE

MEIXNER, Karen; Mag. BA MA.; FH Joanneum, Institute for social works; Graz, AT

MEMMEL, Martin; Dr.; German Research Center for Artificial Intelligence (DFKI), Head of SmartCity Living Lab; Kaiserslautern, DE

MENNENGA, Mark; Dr.-Ing.; TU Braunschweig, Institute of Machine Tools and Production Technology (IWF); Braunschweig, DE

MERCAN, Kübra; Fraunhofer IAO; Stuttgart, DE

MESLEC, Mihaela; ZHAW, Institute of Facility Management; Waedenswil, CH

MITTEREGGER, Mathias; Mobilität und Raum; Heimschuh, AT

MNDZEBELE, Mhlalisi; Dr; University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa

MOEKELA, Valery; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MOHAMMADI, Mohammad; Dr; Delft University of Technology, Faculty of Architecture and the Built Environment; Delft, NL

MOKHELE, Masilonyane; A/Prof; Cape Peninsula University of Technology, Faculty of Informatics and Design; Cape Town, South Africa

MÖSL, Roland; Planetary Engineering Group Earth; St. Leonhard, AT

MOYO, Themani; Dr; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MPHAMBUKELI, Thulisile; Professor; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MÜLLER, Pierre; M.Sc.; RPTU Kaiserslautern-Landau, Fachbereich Raum- und Umweltplanung; Physische Geographie; Kaiserslautern, DE

MUÑOZ HIDALGO, Marcelo Esteban; Dr.-Ing.; Technische Universität Braunschweig, ISU – Institute for Sustainable Urbanism; Braunschweig, Germany

MUMM, Olaf; Technische Universität Braunschweig, ISU – Institute for Sustainable Urbanism; Braunschweig, Germany

MZOBE, Nompumelelo; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

NADLER, Michael; Prof.Dr.; Technical University Dortmund, Chair Real Estate Development, Faculty of Spatial Planning; Dortmund, DE

NAHRADA, Franz; GIVE, Globally Integrated Village Environment; Bad Radkersburg, AT

NAIDOO, Kammila; Professor; University of Johannesburg, South Africa

NDODA, Vuyolwethu; University of Johannesburg, South Africa

NETHER, Ulrich; Prof. Dipl.-Ing.; Technische Hochschule Ostwestfalen-

AUTHORS AND SPEAKERS

Lippe, Institute for Design Strategies; Detmold, DE

NEUGEBAUER, Georg; Dr.; BOKU University, Institut für Raumplanung, Umweltplanung und Bodenordnung; Wien, AT

NEUMANN, Camilla; MSc; Joanneum Research; Graz, AT

NIKOVIC, Ana; Dr; Institute of Architecture and Urban and Spatial Planning of Serbia; Beograd, Serbia

NKOSI, Stanley; Dr; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

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OGRA, Aurobindo; Dr; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

ONATU, George; Dr; University of Johannesburg, South Africa

OVERHAGE, Vanessa; M.Sc.; RWTH Aachen University, Institut für Textiltechnik; Aachen, DE

PADSALA, Rushikesh; Dr.; Hochschule für Technik Stuttgart; Stuttgart, DE

PALLAGST, Karina; RPTU Kaiserslautern-Landau; Kaiserslautern, DE

PATASSINI, Domenico; Professor; IUAV, University of Venice, School of doctoral studies; Venice, Italy

PAULY, Jonas; RPTU Kaiserslautern-Landau; Kaiserslautern, DE

PAŽUR, Alen; Institute for physical planning of the City of Zagreb, Croatia

PENKA, Johannes; M.Sc.; Hochschule Karlsruhe, xLab; Karlsruhe, DE

PETERS-ANDERS, Jan; Mag.; Austrian Institute of Technology GmbH; Vienna, AT

PETRE, Felix; Technische Universität Braunschweig, Institute of Transportation and Urban Engineering; Braunschweig, Germany

PETUNIA, Nompumelelo; University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa

PHOSHO, Mueletshedzi Helen; University of Johannesburg, South Africa

PIPLAS, Haris; Dr.; ETH Zurich, Drees & Sommer; Zurich/Stuttgart, CH/DE

PIRINGER, Dominik; City of Graz, Surveying Department, Environmental Department; Graz, AT

PLATZER, Renate; City of Graz, Department for Mobility Planning; Graz, AT

POLS, Alban; Idea Consult, Regional and Local Governance; Brussels, Belgium

PONT, Ulrich; Dipl.-Ing. Dr.techn.; TU Wien, Institute of Architectural Sciences; Wien, AT

POPOVICH, Tatiana; IST BUREAU LLC.; Saint-Petersburg, Russia

POPOVICH, Vasily V.; Dr.; IST BUREAU LLC.; Saint-Petersburg, Russia

POTULSKI, Hanna; M.Sc., M.Sc.; RWTH Aachen, Institut für Städtebau und Europäische Urbanistik; Aachen, DE

POTYKA, Miriam; Samtgemeinde Hanstedt; Hanstedt, DE

PRANDTSTETTER, Matthias; Dr.; AIT Austrian Institute of Technology, Center for Energy; Vienna, AT

PRATTER, Robert; 4ward Energy Research GmbH; Graz, AT

PRETORIUS, Ockert; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

PRINSEN, Saartje; Idea Consult, Real Estate and Territorial Development; Brussels, Belgium

PROMINSKI, Martin; Prof. Dr.-Ing.; Leibniz University Hannover, Institute of Open Space Planning and Design; Hannover, Germany

PSENNER, Angelika; DI Dr.; TU Wien, Institute of Urban Design and Landscape Architecture; Wien, AT

QIU, Jiayao; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

QORRI-DRAGAJ, Poliksen; Dipl.-Ing.; Univ. Kaiserslautern, Chair of Urban Planning; Kaiserslautern, DE

RÄDLE, Matthias; Professor Dr.; Hochschule Mannheim, CeMOS Institute; Mannheim, DE

RAMESH, Nithya; Jana Urban Space Foundation, Urban Design; Bengaluru, India

RAUNIG, Kathrin; AustriaTech; Vienna, AT

RAUT, Papiya Bandyopadhyay; Assistant Professor; School of Planning and Architecture, New Delhi, Department of Physical Planning; New Delhi, India

RAUT, Sandeep Kumar; Town and Country Planner; Town and Country Planning Organisation; New Delhi, India

RAVELE, Eugiania; University of Johannesburg, South Africa

RAY CHOUDHURY, Surjyatapa; Advanced Associate; Jana Urban Space Foundation, Urban Design; Bengaluru, India

REBER, Amando; Dr.; Hochschule für Technik Stuttgart; Stuttgart, DE

RECHID, Diana; Dr.; Climate Service Center Germany (GERICS) – Helmholtz-Zentrum Hereon; Hamburg, DE

RIBEIRO, Ana Beatriz; Dr.; Leipzig University, SEPT Competence Center, Faculty of Economics; Leipzig, DE

RIEDEL, Gideon; BSc.; TU Wien, Institute of Architectural Sciences; Wien, AT

RIKHOTSO, Vutlhari; University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa

RITZINGER, Ulrike; Dr.; AIT Austrian Institute of Technology, Center for Energy; Vienna, AT

RYSER, Judith; Urban Thinker/Cityscope Europe; London, UK

SAGNOL, Loba; Dr.; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

SALVI, Fabrizia; MA; Area Science Park; Trieste, Italy

SANDMEIER, Judith; Prof.; Bayerisches Landesamt für Denkmalpflege, Bürger – Denkmal – Gesellschaft; München, DE

SANZ, Francisco; Ibercivis; Zaragoza, Spain

SARVADEVABHATLA, Pravalika; Jana Urban Space Foundation, Urban Policy; Bengaluru, India

SCHAEFER, Thomas; Prof. Dr.; Hochschule Mannheim, Cemos Institute; Mannheim, DE

SCHMIDT, Johanna; DI Dr.; TU Wien, Informatics; Vienna, AT

SCHMIDT, Martin; Dipl.-Kfm., MSc; Holding Graz kommunale Dienstleistungen GmbH, Linien- und Verkehrsentwicklung; Graz, AT

SCHMIDT-HAMBURGER, Céline; M.A.; TU Wien, Research Unit of Transportation systems (move); Vienna, AT

SCHNEIDER, Daniela; Karlsruher Institut für Technologie, Fachgebiet Nachhaltiges Bauen; Karlsruhe, DE

SCHÖBER, Peter; Dipl.HTL Ing.; TU Wien, Institute of Architectural Sciences; Wien, AT

SCHOLTEN-REINTJES, Marie-Joelle; M.A.; Technische Hochschule Ostwestfalen-Lippe, Institute for Design Strategies; Detmold, DE

SCHRENK, Manfred; Dipl.-Ing.; CORP; Vienna, AT

SCHUBERT-FRISIUS, Martina; Dr.; Climate Service Center Germany (GERICS) - Helmholtz-Zentrum Hereon; Geesthacht, DE

SCHUSS, Matthias; Dipl.-Ing. Dipl.-Ing. Dr.; TU Wien, Building Physics and Building Ecology; Wien, AT

SCHWENTNER, Judith; Deputy Mayor of the City of Graz; AT

SEEBACHER, Marc; Dipl.-Ing.; Land Steiermark, Landes- und Regionalplanung; Graz, AT

SERAFIMOVIC, Ivana; DI; AustriaTech, Innovating Mobility; Vienna, AT

SIEGERT, Florian; Prof. Dr.; 3D RealityMaps GmbH; München, DE

SLAVICH, Marco; MArch; Area Science Park; Trieste, Italy

SMETSCHKA, Barbara; Dr.; BOKU, Institut für Soziale Ökologie; Vienna, AT

SOLD, Sebastian; Engineer; HS Mannheim, Cemos; Mannheim, DE

SOLYMOS, Andreas; Dipl.-Ing.; Holding Graz, AT

SOMMER, Sabrina; Bayerisches Landesamt für Denkmalpflege; München, DE

SONNICK, Sebastian; Dr.; Hochschule Mannheim, CeMOS Institute; Mannheim, DE





SOVEC, Tina; Dipl.-Ing.; FH Joanneum, University of Applied Science; Kapfenberg, AT

SPAUN, Sebastian; Dipl.-Ing.; Association of the Austrian Cement Industry; Vienna, AT

SPIEGEL, Nora; AustriaTech; Vienna, AT

SPINDLER, Stefan; Dipl.-Ing.; Land Steiermark, Landes- und Regionalplanung; Graz, AT

SPÖRK, Ingrid; Mag. MAS; Wien 3420 aspern Development AG, Marketing, Kommunikation & PR; Wien, AT

SPURZEM, Diana; Hochschule Koblenz, bkw; Koblenz, DE

STEUR, Bettina; Climate Service Center Germany (GERICS) - Helmholtz-Zentrum Hereon; Hamburg, DE

STIEGLER, Vera; Dipl.-Ing.; Holzforschung Austria; Wien, AT

STIEWING, Marvin; RPTU Kaiserslautern-Landau, DE

STOCKER, Markus; Dr.; Leibniz-Informationszentrum Technik und Naturwissenschaften; Hannover, DE

STÖCKNER, Markus; Prof. Dr.-Ing.; HS Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

STOISSER, Tomas; Dipl.-Ing.; Stadt Graz, Grünraum und Gewässer; Graz, AT

STREIBL, Markus; Invenium Data Insights GmbH; Graz, AT

STUMPF, Marian; RPTU Kaiserslautern-Landau; Kaiserslautern, DE

SUBRAMANYA, Vaishnavi; Associate; Jana Urban Space Foundation, Urban Design; Bengaluru, India

SUPE, Florian; MA MA; AustriaTech, Innovating Mobility; Vienna, AT

SUSILO, Yusak; Prof.; Universität für Bodenkultur, Institut für Verkehrswesen; Wien, AT

SWOBODA, Sigrun; Senior Lecturer Dipl.-Ing.; TU Wien, Institute of Architectural Sciences; Wien, AT

TABULDINA, Daria; Project Manager and Student; Llc DAL, Saint Petersburg State University, Architecture (work), Economic Geography and Digital Spatial Analytics; Milan, Italy

TANG, Jet Hoe; Dr.; Fraunhofer EMI, Robustness and Resilience Analysis; Efringen-Kirchen, DE

TAUBITZ, Felix; Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur; Karlsruhe, DE

TEICHMANN, Claas; Dr.; Helmholtz-Zentrum Hereon, Climate Service Center Germany; Hamburg, DE

TOBISCH, Susanne; DI; TU Wien, Institute of Urban Design and Landscape Architecture; Wien, AT

TÖTZER, Tanja; DI Dr.; Austrian Institute of Technology (AIT), Center for Energy; Vienna, AT

TRŠINAR, Simona; MSc, mag. oec.; Regional Energy and Climate Agency for North-West Croatia

TRAN THI THU, Phuong; Hochschule der Wirtschaft für Management, Vietnam Sustainability Social Enterprise; Mannheim, DE

TRATTNIG, Uwe; FH-Prof. DI Dr.; FH JOANNEUM, Building, Environment and Society; Graz, AT

TSILE, Gofaone Imelda; University of Johannesburg, South Africa

TUERK, Andreas; Mag; Joanneum Research; Graz, AT

UEMURA, Tetsuji; Nomura Research Institute; Tokyo, Japan

ÜNSAL-PETER, Gamze; Hochschule Mannheim, CeMOS Institute; Mannheim, DE

VANIŠTA LAZAREVIC Eva; Atelier Eva Vaništa Lazarević; Belgrade, Serbia

VESELIC BRUVO, Jadranka; PhD; Institute for physical planning of the City of Zagreb, Croatia

VOMSTEIN, Robin; Fraunhofer EMI, Robustness and Resilience Analysis; Efringen-Kirchen, DE

VON ELVERFELDT, Kirsten; Assoc. Prof. Dr.; Heidelberg Institute for Geoinformation Technology; DE

VON SZOMBATHELY, Malte; Dr.; Universität Hamburg; Hamburg, DE

VUCKOVIC, Milena; DI Dr.techn; VRVis; Vienna, AT

WALCH, Thomas; Chief Sales Officer; Worldcode1, Co-Founder; Barcelona, Spain

WEISS, Wolfgang; JOANNEUM RESEARCH Forschungsgesellschaft mbH, DIGITAL; Graz, AT

WENDORFF, Jannik; Dr.-Ing.; RWTH Aachen, Institute for Urban

Design and European Urbanism; Aachen, DE

WERLE, Bertram; City of Graz, Executive Office for Urban Planning, Development and Construction; Graz, AT

WINKLER, Benedict; PLANUM; Graz, AT

WINTER, Kevin; Invenium Data Insights GmbH; Graz, AT

WOLFFHARDT, Rupert; Ing.; Holzforschung Austria; Wien, AT

WÖLZL, Magdalena; Dipl.-Ing.; TU Wien, Building Physics and Building Ecology; Wien, AT

YOUSSEF, Daniel; Dipl. Ing.; TU Wien, Research Unit of Regional Planning and Regional Development; Vienna, AT

ZAMAN, Jan; Idea Consult, Real Estate and Territorial Development; Brussel, Belgium

ZEILE, Peter; Dr.-Ing.; Karlsruhe Institute of Technology, Stadtquartiersplanung; Karlsruhe, DE

ZERINGUE, Ryan; TU Braunschweig, ISU – Institute for Sustainable Urbanism; Braunschweig, Germany

ZIEBELL, Dag-Ole; Leibniz University Hannover, Institute of Open Space Planning and Design; Hannover, Germany

ZIEGLER, Dörte; Prof. Dr.; Hochschule Koblenz, bkw; Koblenz, DE

ZOLLER, Markus; DI; OTTO WAGNER AREAL Revitalisierung GmbH; Wien, AT

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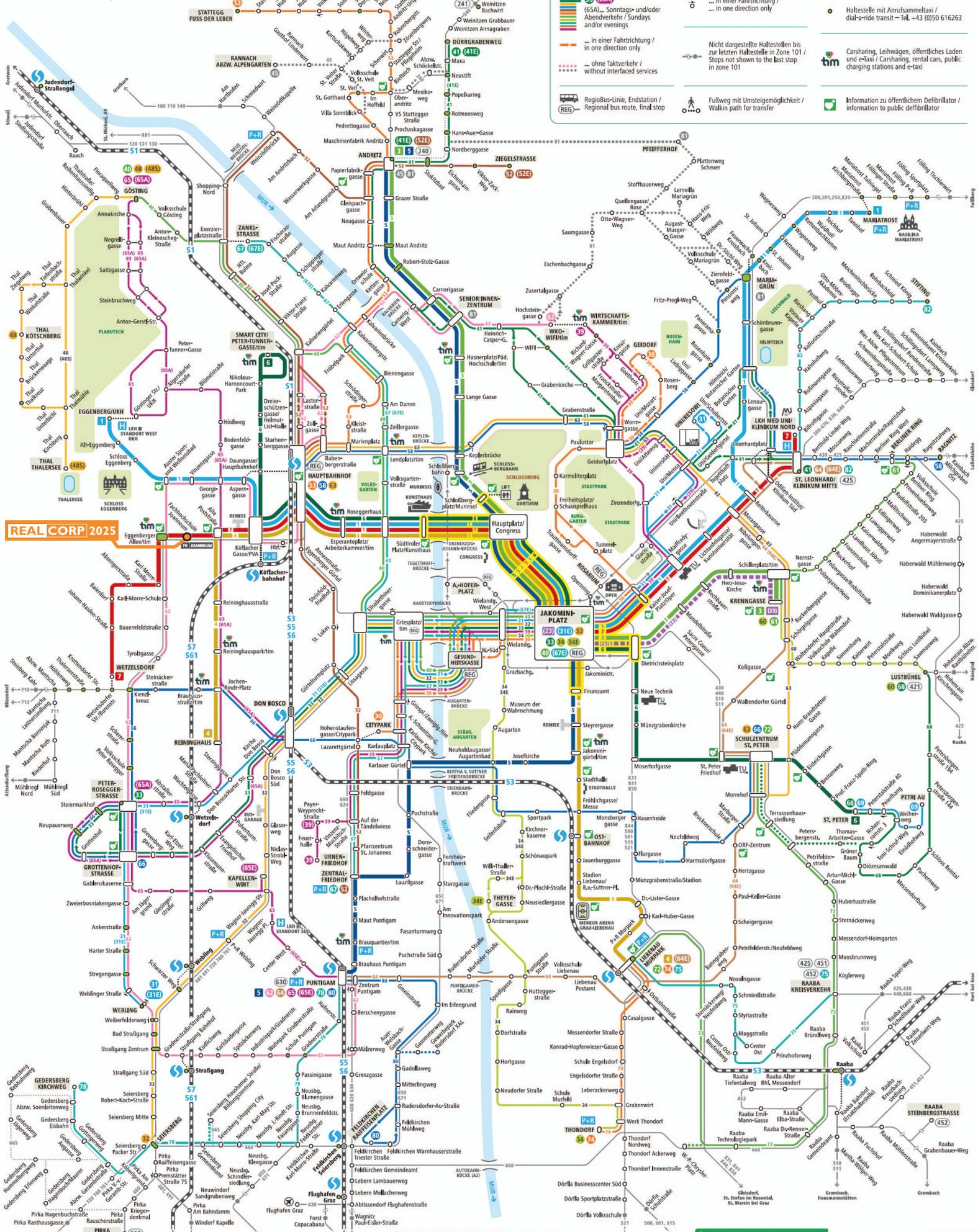
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