

REAL CORP 2024

CONFERENCE PROGRAMME

29th International Conference on Urban Planning and Regional Development in the Information Society
GeoMultimedia 2024



Metropolregion
Rhein-Neckar

KEEP ON PLANNING FOR THE REAL WORLD

Climate Change calls for
Nature Based Solutions and Smart Technologies

KEEP ON PLANNING FOR THE REAL WORLD

CLIMATE CHANGE CALLS FOR NATURE-BASED SOLUTIONS AND SMART TECHNOLOGIES



EVBB

EUROPEAN ASSOCIATION OF
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JOHN DEERE



HOCHSCHULE DER WIRTSCHAFT
FÜR MANAGEMENT
UNIVERSITY OF APPLIED
MANAGEMENT STUDIES



Netzwerk
Smart Industries



rnv

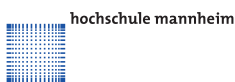


sMArt

Smart City
Mannheim



FOSM
POUTES



hochschule mannheim



KÜBLER

Energiesparende Hallenheizungen



Metropolregion
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15-17 APRIL 2024

JOHN-DEERE-STRASSE 70, 68163 MANNHEIM, GERMANY

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WELCOME



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

WELCOME to REAL CORP 2024, the 29th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies at Airport City Space in Vienna!

Since the beginning of industrialisation, the concentration of greenhouse gases in the atmosphere has been steadily increasing due to human influences. Currently, an increase of greenhouse gases in the atmosphere of almost 50 per cent compared to the level of pre-industrialisation has been recorded. Without taking into account the increase in greenhouse gases in the atmosphere, the observed warming of the climate system cannot be explained. The problem of climate change is therefore caused by humanity itself and can therefore be counteracted by humanity itself.

It is, therefore, all the more important to take selective countermeasures wherever possible. If measures against climate change are combined with modern technologies, additional short-term effects can be achieved, such as an increase in the (urban) quality of life, a mitigation of traffic problems or savings through reduced resource consumption. These and other aspects can be achieved under

the umbrella of the Smart City, and Mannheim has decided to become a Smart City and is on a successful way: as the first German city, Mannheim received the #EUMissionLabel as part of the “100 climate neutral and smart cities by 2030” programme by the EU Commission.

But what does this step mean for the citizens on the one hand, and for planning and administration on the other? Smart Cities use the potential of digital technologies and intelligent data networks to increase the quality of life simultaneously moving into the future in a resource-saving and efficient way.

Smart cities collect vast amounts of data, which can be used to inform policy making and city planning leading to more effective urban and regional governance. Also the economic aspect must be considered as Smart Cities can attract investments and businesses, creating job opportunities and stimulating economic growth. They can also foster innovation and entrepreneurship through technology hubs and incubators. This contributes to the development of services by delivering public services more efficiently, such as healthcare, education, and public safety. This enhances the overall well-being of residents and can contribute to social development.

Clustering promotes progress, and Mannheim has been leading the way in this area for some time. With the initiation of the Network Smart Production, Mannheim has created an innovation platform. Industry, research and solution providers are brought together and can initiate a variety of B2B and funded applied research projects. The combination of a strong production location and a strong green tech location makes Mannheim a hotspot of the green and smart industry. Last but not least, Mannheim’s Smart City movement is strongly supported by a university landscape with a network of co-operating universities with diverse and interdisciplinary research focus.

This year we brought together some 200 participants from more than 30 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 100 scientific contributions; 63 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 2024. The non-reviewed papers were accepted by the programme committee after a double-blind abstract review.

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

SPONSORS

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CONFERENCE MAIN TOPICS

- Contributions of Urban and Spatial Planning to Tackle the Big Challenges of the Future
- Smart City in General: Use and Benefits of Smart City Strategies
- Smart Mobility: Enhancing Today's Mobility Systems for Tomorrow
- Smart Resilience: How to Prepare our Cities for New Challenges
- Smart Efficiency: On Responsible and Economical Use of Resources
- Smart Technologies and Information Infrastructure: What lies Behind the Agendas of a Smart City and Keeps it Running
- Artificial Intelligence in Urban and Spatial Planning
- Nature-Based Solutions: How Natural Mechanisms can be Used in Smart Cities and Urban Planning
- Smart City Shapes: Adoptive, Multi-Functional Urban Spaces for a better Quality of Life
- Fighting Climate Change: the Environmental Impact of Planning – from Urban Micro-climates and Heat Islands to Long-term, Large-scale Measures
- Urban Regeneration and Revitalisation: Making older Urban Quarters Fit for the Future
- Public Well-Being: How to Increase Well-being and Satisfaction of the Population
- The Urban and the Country Side: What can they Learn from Each Other?
- Accessible Cities and Spaces: Not only a Benefit for People with Disabilities
- Special Topic: Ageing Smart – Designing Spaces Intelligently
- Special Topic: Deployment of Smart City Technologies in Africa

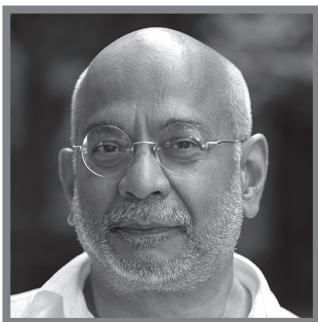


KEYNOTE SPEAKERS



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).



Dhuru A. Thadani, Washington D. C., USA; Thadani Architects + Urbanists

Dhiru A. Thadani is an architect, urban designer, author, and educator. He has worked to disseminate principles and techniques of traditional town planning on five continents by sharing research, lecturing, mentorship, and working on projects. He has been principal designer of new towns and cities, urban regeneration, neighbourhood revitalisation, academic campuses, and infill densification projects. Since its formation in 1993, Dhuru has been a charter member of the Congress for New Urbanism (CNU) and served as Board Member from 1997 to 2013. In 2016, he was elected Vice President of Membership and Treasurer for ISOCARP. In 2015, he was appointed to the inaugural CNU College of Fellows and received the ISOCARP Lifetime Achievement Award. He is the recipient of the 2011 Seaside Prize for significant contributions to the quality and character of communities. His latest book, *Washington Drawings: Abe to Zoo*, was published in 2022 and reaffirms his love affair with his hometown Washington, D. C.



Stefan Rau, Beijing, China/Manila, Philippines; Principal Urban Development Specialist, Asian Development Bank

Stefan Rau is leading ADB's urban planning community of practice and urban development support to the People's Republic of China (PRC). He supports policy and conceptualises and implements demonstration projects for integrated sustainable urban development including healthy and age-friendly cities, low-carbon, climate-resilience, sponge cities with nature-based solutions, circular economy zero waste cities and city cluster coordination. Prior to ADB Stefan worked as consultant in teams and as leader on sustainable urban planning, urban design and large building projects in Europe, North America and Asia. He lectured at universities in Germany, the United States, and the PRC. He studied in Stuttgart, Bonn and Chicago, undergraduate in Mathematics and Masters in Architecture, Urban Planning.



Dagmar Cagaňová, Bratislava, Slovakia; Comenius University Bratislava, Vice Dean for Strategic Development, Projects and Innovations

Prof. Dagmar Cagaňová acts as full prof. in Economics and Management of Enterprise and at present as Vice Dean for Strategic Development, Projects and Innovations at Comenius University Bratislava, Slovakia. She is General Chairwoman of Summit Smart City 360°/Summit Smart Life and co-founder of the European Alliance for Innovation in Slovakia and the Advisory Board Representative of the ECEG's ChemSkills/Blueprint project. She is Advisory Council Member of Danubius University, Management Committee Member of E-COST (European Collaboration in Science and Technology), Executive Committee Member in Danubius Academic Consortium as well as a Member of iATDi (International Association for Technological Development and Innovations), vice chairwoman of Cultural and Educational Grant Agency (Committee 3), Member of Accreditation Committee of the Ministry of Education, Science, Research and Sport of the Slovak Republic.

KEYNOTE SPEAKERS



After an apprenticeship in banking and studies of business administration at Westfälische Wilhelms-Universität Münster, Thomas Peuntner graduated as “Diplom-Kaufmann” (Master’s degree), PhD. of economics and business administration at University of Mannheim, Germany. Since 2001 he is engaged in various roles in Human Resource Management (2001-2004 BASF SE, since 2004 John Deere). Positions held at John Deere include Industrial Relations Manager John Deere Works Mannheim; HR Manager Deere & Company European Office Mannheim; HR Manager John Deere International, Schaffhausen (CH); HR Manager John Deere Works Mannheim and Deere & Company European Office Mannheim; Programme Manager University Relations Europe, Africa, Asia (Mannheim); Global HR Director Latin America (Brazil); Global Human Resource Director Europe, Near and Middle East, Northern Africa, CIS. Since 1 Sep 2023 he has been Global Human Resource Director Agriculture and Turf Division.

Thomas Peuntner, Mannheim, Germany; John Deere, Global Human Resource Director Agriculture and Turf Division.



Christian Schachtner has been Professor of Business Informatics with a focus on digitalisation in administration at RheinMain University of Applied Sciences since July 2023. From May 2020 to June 2023, he was Professor and Head of the Public Management programme at IU International University. He studied administrative sciences and public law and completed his doctorate at the Faculty of Economics at the KU Eichstätt-Ingolstadt. In addition to his more than 10 years of experience as a manager in the public sector, he has worked for many years as a freelance expert in various innovation circles and research projects at federal and state level and in a municipal context.

Christian Schachtner, Wiesbaden, Germany; Professor of Business Informatics at RheinMain University of Applied Sciences



Marvin Baldauf has several years of experience in the areas of digitalisation and e-government. He works as a consultant for the Rhine-Neckar metropolitan region and is co-founder of KommunalCampus. He is also involved in various networks and committees such as the National E-Government Competence Centre (NEGZ), the American Council on Germany (ACG) and as a Global Shaper at the World Economic Forum (WEF).

Marvin Baldauf, Mannheim, Germany; Metropolitan Region Rhine-Neckar



Beniamino Murgante is a Professor of spatial planning at the School of Engineering of the University of Basilicata. He took his Ph.D. in “Sciences and Methods for European Cities and Territory” at the Department of Civil Engineering of the University of Pisa, and he carried out other research in Lyon at the Laboratory for Information System Engineering directed by Robert Laurini. Director of Laboratory of Urban and Territorial Systems at the University of Basilicata. Coordinator of undergraduate and postgraduate Civil and Environmental Engineering curriculum at the University of Basilicata. He is member of the Editorial Board of many international journals, scientific committees of a lot of national and international conferences, and the scientific council of some national and international organisations.

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

SCHEDULE

Sunday, 14 April 2024

10:00–17:00	Citizen's Day (Exhibition, Business Talk), Get Together at MAFINEX in Mannheim
18:00–20:00	afterwards Informal Ice Breaking and Welcome Reception at MAFINEX (Julius-Hatry-Straße 1, 68163 Mannheim)

Monday, 15 April 2024

Auditorium 1	
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)
from 17:30	afterwards City Tram Tour and Dinner (registration at MY.CORP necessary, additional costs € 30.-)

Tuesday, 16 April 2024




	Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4
09:30–11:00	Presentations (EN)	Presentations (DE)	Meet the Editors (EN)	Presentations (EN)
11:00–11:30	Coffee Break			
11:30–13:00	Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)
13:00–14:00	Lunch Break			
14:00–14:30	Keynote after Lunch			
14:30–15:30	Round Table Discussion	Presentations (EN)		
15:30–16:00	Coffee Break			
16:00–17:30	Presentations (EN)	Presentations (DE)	Presentations (EN)	Workshop (EN)
from 17:30	Official REAL CORP 2024 Evening Reception at MAFINEX (Julius-Hatry-Straße 1, 68163 Mannheim)			

Wednesday, 17 April 2024







	Auditorium 2	Auditorium 3	Auditorium 4
09:30–11:00	Presentations (DE)	Presentations (EN)	Presentations (EN)
11:00–11:30	Coffee Break		
11:30–13:00	Presentations (EN)	Presentations (EN)	Presentations (EN)
13:00–14:00	Lunch Break		
14:00–15:30	Presentations (EN)	Presentations (EN)	Presentations (EN)

SCHEDULE

Monday, 15 April 2024

Time	Auditorium 1	
09:00-10:30	Conference Opening	
MONDAY TUESDAY WEDNESDAY	<p>Welcome to REAL CORP 2024</p> <p>Christian SPECHT Mayor of the City of Mannheim, Germany</p> <p>Perizat DAGLIOGLU President of University of Applied Management Studies Mannheim, Germany</p> <p>Angelika ALTMANN-DIESES Rector of Hochschule Mannheim – University of Applied Sciences; Mannheim, Germany</p> <p>Hans-Rüdiger KAUFMANN University of Applied Management Studies Mannheim, Germany</p> <p>Pietro ELISEI President ISOCARP – International Society of City and Regional Planners; The Hague, NL</p> <p>Manfred SCHRENK Conference Director</p>	
	10:30-11:00	Coffee Break
	11:00-13:00	Opening Keynotes
		<p>From Barrel to Pixel: Deconstructing Knowledge-Based Urban Development in Gulf Cities Beyond Carbon Paradigm Ali A. ALRAOUF Ministry of Municipality and Environment, Qatar</p>
		<p>Urban Controversies – Traditional Planning Principles versus Modern Practise Dhiru A. THADANI Thadani Architects + Urbanists; Washington DC, USA</p>
		<p>Sponge Cities: Resilience and Livability from Nature-based Solutions and Integration of Green and Grey Systems Stefan RAU Asian Development Bank, Sectors Group, Water and Urban Development; Beijing, China</p>
13:00-14:00	Lunch Break	

Monday, 15 April 2024

Auditorium 1		Time
Keynotes		14:00-15:30
	<p>Trends and Challenges within Smart City Project Agenda Dagmar CAGÁNOVÁ Comenius University Bratislava, Vice Dean for Strategic Development, Projects and Innovations; Bratislava, Slovakia</p>	<div style="writing-mode: vertical-rl; transform: rotate(180deg);">MONDAY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TUESDAY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">WEDNESDAY</div>
	<p>Smart Farming Martin KREMMER John Deere Director Hay and Forage Engineering, Honorary Professor at TU Karlsruhe; Mannheim, Germany</p>	
 	<p>The Discrepancy between Aspiration and Reality: How do we Design Intelligent Cities and Regions of the Future in a Skills-orientated Way through Networked Working? Christian SCHACHTNER RheinMain University of Applied Sciences; Wiesbaden, Germany Marvin BALDAUF Metropolitan Region Rhine-Neckar; Mannheim, Germany</p>	
 <p>Who is speaking right now? Find it out on https://live.corp.at</p> 		
		15:30-16:00
Coffee Break		

SCHEDULE

Monday, 15 April 2024

Time	Auditorium 1	Auditorium 2
16:00-17:30	Nature-Based Solutions Chair: Stefan RAU	Smarte Mobilität Moderation: Daniel BROSCART
<div style="writing-mode: vertical-rl; transform: rotate(180deg);">MONDAY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TUESDAY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">WEDNESDAY</div>	<p>🏆 A New Adaptation Strategy to Changing Local Climatic Conditions in Urban Areas? The Use of Leaf-Turning Tree Species Sascha HENNINGER, Judith GEIB RPTU Kaiserslautern-Landau, Fachbereich Raum- und Umweltplanung, Physische Geographie; Kaiserslautern, DE</p> <p>🏆 MELT Plates: The Abolition of Overheating in Lightweight Buildings through an Optimised form of Latent Heat Storage Frederik WUNDER*, Sebastian SONNICK*, Thomas WALCH**, Matthias RÄDLE*, Hans Rüdiger KAUFMANN*** * Hochschule Mannheim; Mannheim, DE ** Worldcode1; Rauenberg, DE *** Hochschule der Wirtschaft für Management Mannheim, M.A. Business Management; Mannheim, DE</p> <p>Smart Urban Resilience: From Nature-Based Solutions (NBS) to Nature-Positive Cities and Landscapes Andreas KIPAR LAND SRL; Milano, Italia</p>	<p>🏆 Bedarfsverkehr im ländlichen Raum zur Sicherung der letzten Meile, Analyse erfolgreicher Fallbeispiele aus dem Bundesland Salzburg Roman KLEMENTSCHITZ, Igor WOLOSCHTSCHUK, Roxani GKAVRA, Gregor HUSNER, Yusak SUSILO Universität für Bodenkultur, Institut für Verkehrswesen; Wien, AT</p> <p>🏆 Emotionen im Radverkehr messen, vergleichen und verstehen: Evaluation verschiedener Erhebungsansätze in der Stadt Osnabrück Nina HAUG, Céline SCHMIDT-HAMBURGER, Peter ZEILE Karlsruher Institut für Technologie (KIT), Stadtquartiersplanung; Karlsruhe, DE</p> <p>🏆 Cruising in KL: Lokalisierung und Quantifizierung von Parksuchverkehr mittels Floating Car Data Julia MAYER*, Hossam ZAKI** * Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) GmbH, Smarte Daten und Wissensdienste; Kaiserslautern, DE ** RPTU Kaiserslautern-Landau, FB Informatik; Kaiserslautern, 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>
	<p>afterwards Tram City Tour and Dinner (registration at MY.CORP necessary, additional cost € 30.-)</p>	

Monday, 15 April 2024

Auditorium 3	Auditorium 4	Time
Ageing Smart Chair: Martin BERCHTOLD	Efficient Use of Resources Chair: Jan-Philipp EXNER	16:30-18:00
<p>Introduction to Ageing Smart Martin BERCHTOLD RPTU, Fachbereich Raum- und Umweltplanung; Kaiserslautern, DE</p> <p>🏆 Empowering Ageing: Navigating the Future of Digital Healthcare for Older Adults – a Rapid Review of Perspectives and Challenges Amina SINGH-MEHTA*, Phillip NIXDORF*, Sophia SCHULZ*, Andrea TALES**, Gary CHRISTOPHER** * University of Applied Management Studies; Mannheim, DE ** Swansea University; Swansea, UK</p> <p>🏆 Conceptualising Smart Cities in the Japanese Planning Culture Karina PALLAGST, Jonas PAULY RPTU Kaiserslautern-Landau, International Planning Systems; Kaiserslautern, DE</p> <p>🏆 Suitability of the Residential Location of Older People: towards a Typology in Flanders, Belgium Wesley GRUIJTHUIJSEN, Dominique VANNESTE KU Leuven, Geography & Tourism; Leuven, Belgium</p> <p>Ageing Smart – Digital Instruments in a Municipal Context: Data, Analyses and Strategies (not only) for Baby Boomers Annette SPELLERBERG RPTU Kaiserslautern-Landau, Urban Sociology; Kaiserslautern, DE</p>	<p>🏆 Regeneration of Urban Sites with Circular Economy Principles Matthias HAASE, Mihaela MESLEC ZHAW; Wädenswil, CH</p> <p>🏆 Development of an Energy Transition Cycle in the City of Eisenstadt Robert PRATTER*, Philipp NOVAKOVITS**, Lukas GNAM***, Werner TSCHIRK**** * 4ward Energy Research GmbH; Graz, AT ** Forschung Burgenland GmbH; Eisenstadt, AT *** Fachhochschule Burgenland GmbH; Pinkafeld, AT **** RAUMBild; Mattersburg, AT</p> <p>Sustainable Concrete-Based Structures: Review for the Potential Benefits of Basalt Fiber Reinforced Concrete (BFRC) in Enhancing the Environmental Performance of Buildings Nadine ALBQOUR*, Mohammad SHEHATA*, Zeyad ELSAYAD*, Shaheer RABABEH** * Alexandria University, Architecture Department; Alexandria, Egypt ** University of Texas Arlington; Arlington, USA</p> <p>🏆 BIM and Carbon Emissions Nexus: A Way Forward for Reducing Carbon Emissions in the South African Construction Industry Peter China MASHININI, Trynos GUMBO, Jeffrey MAHACHI University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Tuesday, 16 April 2024

Time	Auditorium 1	Auditorium 2
09:30-11:00	<p>How to Use a Smart City Moderation: Martin BERCHTOLD</p>	<p>Smarte Technologien Moderation: Jan-Philipp EXNER</p>
<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>	<p>🏆 Sustainable, Smart and Humane Cities: From Utopia to Reality Judith RYSER*, Teresa FRANCHINI** * CityScope Europe; London, UK ** Temanova; Madrid, Spain</p> <p>AI and Smart City Focusing on Mobility Heiner STUCKENSCHMIDT University of Mannheim, Chair of Artificial Intelligence; Mannheim, DE</p> <p>🏆 Employee Behaviour as a Possible Corporate System Vulnerability when Implementing Digitalisation in Smart Cities Lara SEHLMAYER, Hans Rüdiger KAUFMANN University of Applied Management Studies Mannheim; Mannheim, DE</p> <p>🏆 Does City Smartness Improve Urban Environment and Reduce Income Disparity? Evidence from an Empirical Analysis of Major Cities Worldwide Boris A. PORTNOV University of Haifa; Haifa, Israel</p>	<p>Vereinbarkeit von ganzheitlich gedachter Ökologie und Ökonomie in einem Gewerbequartier Arndt BRAUCKMANN Brainergy Park Energie GmbH; Jülich, DE</p> <p>🏆 Ein Ultraleichtflugzeug, Luftbilder, KI-Algorithmen und Geofach- und Geosachdaten – wie in Landsberg am Lech durch den Einsatz neuer Technologien ein digitaler Zwilling für die Stadt-, Klimaanpassungs- und Mobilitätsplanung aufgebaut wird Daniel BROSCHE*[*], Florian SIEGERT**^{**}, Marina FISCHER**^{**}, Juilson JUBANSKI**^{**} [*] Stadt Landsberg am Lech, Digitaler Zwilling, Klimaschutz und Mobilität; Landsberg am Lech, DE ^{**} 3D RealityMaps; München, DE</p> <p>Presentations marked with 🏆 are reviewed papers.</p>
11:00-11:30	<p>Coffee Break</p>	

Tuesday, 16 April 2024

Auditorium 3	Auditorium 4	Time
<p>MEET THE EDITORS: Regenerative Futures & AI – Science, Concept & Solutions for SDG Chair: Hans Rüdiger KAUFMANN</p>	<p>Case Studies in Planning I Chair: Christian EIZINGER</p>	<p>09:30-11:00</p>
<p>Book Presentation Regenerative Futures and Artificial Intelligence First comprehensive compendium on sustainability and artificial intelligence. Comprehensive and systematic reference work. Introduction, systematic overview and state of the art Springer, 2024; ISBN 978-3-658-43585-1</p> 	<p>🏆 Evaluating the Impact of Urbanisation on Climate Change: A Case of Kochi City, Kerala State, India Adinarayanane RAMAMURTHY, Faiz Ahmed CHUNDELI, Aswirth G CHANDRAN, Taruni JOSHI School of Planning and Architecture, Department of Architecture; Vijayawada, India</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
<p>Book Presentation The Palgrave Handbook on Consumerism issues in the Apparel Industry In the present era of sustainable business and marketing practise, there is a growing concern for ethics, social and ecological responsibility centred issues. Within this nexus of ethics, social and ecological corporate responsibility, “consumerism” is considered as a most influential concept dealing with individual fairness, ethical, green/environmental and social issues. Palgrave Macmillan, 2024.</p>	<p>🏆 Investigating the Research Landscape of Virtual Reality in Built Environment Education on the African Continent: a Bibliometric Review Nischolan PILLAY*, Kiara LAWRENCE*, Trynos GUMBO** * Durban University of Technology; Durban, South Africa ** University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa</p>	
<p>Book Presentation Begrifflichkeiten und Theorie zur Automatisierung im Straßenverkehr The vademecum deals with issues relating to the roadworthiness of the automation technologies installed in the vehicles, so that a conflict-free approach between the vehicles and other road users can be guaranteed. It is intended to serve as an impetus for the mobility groups’ discourse on future road transport. Springer, 2023, ISBN 978-3-662-66513-8</p> 	<p>Exploring Consumer Adoption of Electric Vehicles in Japan: an Empirical Study Mitsunori HIROGAKI Kyushu University, Graduate School of Economics; Fukuoka, Japan</p>	
<p>Journal Presentation Progress in Industrial Ecology ISSN 1476-8917, 1478-8764</p> <p>Kai GONDLACH Futurologist and Managing Director of PROFORE GmbH, Editor of “Regenerative Futures and Artificial Intelligence”</p> <p>Birgit BRINKMANN Communications Expert, Account Portfolio Manager, Co-editor of “Regenerative Futures and Artificial Intelligence”, Editor of “Regenerative Futures and Artificial Intelligence”</p> <p>Ass.Prof. Niccolo FIORINI University of Siena: Assistant Editor of Journal “Progress in Industrial Ecology”</p> <p>Prof. Dr. Hans Rüdiger KAUFMANN Co-editor of The Palgrave Handbook on Consumerism issues in the Apparel Industry; Editor-in-Chief Journal “Progress in Industrial Ecology”, Associate Editor “World Review of Entrepreneurship”, Management and Sustainable Development; Editorial Board Member of “EuroMed Journal of Business”</p> <p>Heinz DÖRR Author of “Begrifflichkeiten u. Theorie zur Automatisierung im Straßenverkehr”</p>	<p>🏆 Chronicles of Peri-Urban Expansion in Small Rural Towns: a Comprehensive Study of Makhado Biaba’s Built-Up Areas from 1995 to 2022 Ngudo Winny NTHANGENI*, Trynos GUMBO*, Emmaculate INGWANI**, Nils EKELUND*** * University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa ** University of Venda, Urban and Regional Planning; Thohoyandou, South Africa *** Malmö University, Natural Sciences, Mathematics, Society; Malmö, Sweden</p>	
Coffee Break		<p>11:00-11:30</p>

SCHEDULE

Tuesday, 16 April 2024

Time	Auditorium 1	Auditorium 2
11:30-13:00	Smart Resilience Chair: Dirk ENGELKE	Planung & Daten Moderation: Martin BERCHTOLD
<div style="writing-mode: vertical-rl; transform: rotate(180deg);">MONDAY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TUESDAY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">WEDNESDAY</div>	<p>🏆 The Current Use and Limitations of Water Related Digital Twins – a Practical View on Urban Climate Change Adaptation Markus GROTH*, Steffen BENDER*, Thea WÜBBELMANN** * Climate Service Center Germany (GERICS) - Helmholtz-Zentrum hereon; Geesthacht, DE ** Geesthacht, DE</p> <p>🏆 Small-scale Production Sites as Part of Urban Resilience Infrastructure: The Intersections of Urban Planning and the Fab City Kimberly TATUM, Jörg KNIELING HafenCity University Hamburg, Institute for Urban Planning and Regional Development; Hamburg, DE</p> <p>🏆 Spatial Strategies for Economic Growth within “Net Zero Land Take” Jan ZAMAN Idea Consult, Real Estate and Territorial Development; Brussel, Belgium</p> <p>🏆 Smart Cities through Online Dating and Sustainability – Responsible Leadership in Smart Cities Ursula SCHINZEL Unicaf University, Business Administration; Luxembourg, Luxembourg</p> <p>🏆 Developing a Technological Innovations Framework for Energy Security: a Case of City Power, Johannesburg Nkosingizwe Mazwi MCHUNU, Trynos GUMBO, George ONATU University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa</p>	<p>Regionalisierung von Wohnungsmärkten anhand kleinräumiger Umzugsbewegungen in Deutschland Lukas TIEMANN BPD Immobilienentwicklung GmbH, Market Research; Frankfurt am Main, DE</p> <p>Wie bindet man seine Mitarbeitenden? Fördern die Arbeitgeberattraktivität und die betriebliche Gesundheitsförderung die Bleibemotivation der Mitarbeitenden? Eine quantitative Fragebogenstudie Daniel ZIMMER, Shannon RITZ, Lukas RÖMER, Andreas ZIMBER Hochschule der Wirtschaft für Management (HdWM); Mannheim, DE</p> <p>Centropemap – statistische Zeitreihendaten einer grenzüberschreitenden Region Clemens BEYER, Manfred SCHRENK CORP – Competence Center of Urban and Regional Planning; Schwechat, AT</p>
13:00-14:00	Lunch Break	



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Tuesday, 16 April 2024

Auditorium 3	Auditorium 4	Time
Towards a Better Living Chair: Judith RYSER	Case Studies in Planning II Chair: Christian EIZINGER	11:30-13:00
<p> Digital Human – Introduction Pietro ELISEI*, Vasily POPOVICH**, Manfred SCHRENK***, Tatiana POPOVICH**, Ivan GRIAZNYKH** * ISOCARP, President – ExCom member; The Hague, NL ** IST BUREAU LLC; St. Petersburg, Russia *** CORP – Consulting Research Projects; Vienna, AT</p> <p> The Built Environment and Universal Design: Are Architectural Competitions a Qualified Instrument to a Better Consideration of the Diversity Dimension Impairment? Ulrich PONT, Ines JÜRGENS, Isabella KOLBITSCH, Anastasia MAHDYCH, Jana PETROVIC, Vanessa RAAS, Ksenia RAZORENOVA, Alexander SCHWEITZER TU Wlen; Vienna, AT</p> <p>CE-SPACES4ALL: Improving Accessibility of Tourism for Persons with Disabilities in Central Europe Blaž BARBORIČ*, Manfred SCHRENK**, Tatjana FISCHER**, Clemens BEYER** * Geodetic Institute of Slovenia; Ljubljana, Slovenia ** BOKU, Inst. of Spatial Planning; Vienna, AT</p> <p>About the “Soundscape”: Are you a Pro or a Con? Olivier LEFEBVRE Olivier Lefebvre Consultant; Paris, France</p>	<p>Passive Cooling Technologies for Reducing the Heating of Containers Tanja VETTER, Norbert SCHNEIDER, Heinrich DINNEBIER Wehrwissenschaftliches Institut für Werk- und Betriebsstoffe der Bundeswehr; Erding, DE</p> <p> Revitalising our Urban Landscapes: A Call for Territorial Regeneration Radostina RADULOVA-STAHMER TU Graz, Institute of Urbanism; Graz, AT</p> <p> Exploring Community Resilience Strategies in the Face of Escalating Heat Waves: a Comprehensive Study of Giyani, South Africa Sharon RIKHOTSO, Trynos GUMBO University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa</p> <p> Exploring ESG Practises and Livelihoods Promotion Nexus in Mining Host Communities: Lessons from Aggeneys, Pella and Pofadder Mining Host Communities Khwathelani Violet TSHIFULARO*, Trynos GUMBO*, Innocent MOYO** * University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa ** University of Zulu Land; Durban, South Africa</p> <p>Presentations marked with are reviewed papers.</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
Lunch Break		13:00-14:00

SCHEDULE

Tuesday, 16 April 2024

Time	Auditorium 1	Auditorium 2
14:00-14:30	Post-Lunch Keynote	
MONDAY	 <p>Exploring New Paradigms in Urban Sustainability: The 15-Minute City Beniamino MURGANTE University of Basilicata, School of Engineering; Potenza, Italy</p>	
	Auditorium 1	
TUESDAY	<p>ROUND TABLE DISCUSSION: Universities as Drivers of Sustainability Chair: Hans Rüdiger KAUFMANN</p>	<p>Smart Information Infrastructure Chair: Clemens BEYER</p>
WEDNESDAY	<p>Universities play an important role in fostering sustainability. Firstly, they create and disseminate knowledge through research and teaching. Secondly, universities increasingly reduce their own carbon emissions in operations. Thirdly, universities play a pivotal role in capacity building sharing their experience in sustainability matters with other stakeholders such as companies, local municipalities, startups and citizens.</p> <p>The different sustainability measures on the path towards climate neutrality will be addressed based on the example of Zeppelin University in Friedrichshafen. Beyond own operations the role of universities in capacity building in sustainability with other stakeholders will be further discussed. In a panel of different universities (HdWM Mannheim, Zeppelin University, HS Mannheim, EVBB) similar and different experience in fostering sustainability networks will be analyzed. Which strategies proved to be successful in advancing towards a sustainable university? Can universities share their experience with other stakeholders and on the other hand benefit from the examples of others?</p> <p>PANEL:</p> <p>Dr. Fabian SENNEKAMP Zeppelin University, Consultant to the President & Managing Director, Sustainability Management; Friedrichshafen, DE</p> <p>Prof. Dr. Matthias RÄDLE Univ. of Applied Sciences Mannheim/CeMOS; Mannheim, DE</p> <p>Alfred PALLARCA European Association of Institutes for Vocational Training, Project Manager; Brussels, Belgium</p> <p>Prof. Dr. Dolores SANCHEZ BENGOA University of Applied Management Studies, Vice President of International Relations; Mannheim, DE</p>	<p>🏆 Security and Compliance in Cloud Environments Christoph SANDBRINK, Anmol KUMAR University of Applied Management Studies Mannheim; Mannheim, DE</p> <p>🏆 Examination of Sustainable Human Resource Management on Employee Performance Indicators Marleen CHRIST, Henning TIRREL einfach.effizient. Treuhand Unternehmensberatung GmbH & Co.KG; Oldenburg, DE</p> <p>🏆 Smart Culture: Digitisation Strategies of two Museums in Tuscany Niccolo FIORINI, Costanza NOFERI University of Siena; Siena, Italy</p> <p>Presentations marked with 🏆 are reviewed papers.</p>
	15:30-16:00	Coffee Break

GEO

INTELLIGENT LIGHTING

SMART ILLUMINATION - ENLIGHTENING EFFICIENCY - DIMMING PRECISION

In the age of smart cities, efficiency and connectivity are paramount. GEO, the groundbreaking Street Light Wi-Fi Intelligent system that seamlessly merges traditional street lighting with cutting-edge wireless connectivity, all without relying on the internet.

Designed to revolutionize urban environments, GEO offers a host of benefits. Unlike traditional LED lights that operate at full power constantly, GEO allows for automatic on-off functionality and dimmable lights, reducing energy consumption and extending the lifespan of the lights.



Compared to complex IoT systems, GEO simplifies connectivity by allowing users to control settings directly from their smartphones, without the need for additional apps, internet access, or cloud connectivity. This not only streamlines installations but also facilitates automatic cost savings, with electric bills potentially decreasing by up to 30% - 40%.

GEO's advantages extend further with individual programmable lights, ensuring optimal operation year-round without manual intervention. Moreover, its clock-based system eliminates issues caused by shadows or faulty sensors, guaranteeing reliable performance.

With customizable lighting scales for different areas such as pedestrian lanes, commercial zones, and remote areas, GEO offers tailored solutions for diverse urban landscapes without relying on internet connectivity.

SCHEDULE

Tuesday, 16 April 2024

Time	Auditorium 1	Auditorium 2
16:00-17:30	Smart and Efficient Chair: Hans Rüdiger KAUFMANN	Mensch und mobil Moderation: Linda DÖRRZAPF
MONDAY TUESDAY WEDNESDAY	<p>Municipal Heating Planning: Decarbonisation Strategy for the Heating Supply in Mannheim Georg PINS Stadt Mannheim, Abteilungsleiter Klimaschutz; Mannheim, DE</p> <p>Smart City MACHen (MAking a Smart City) Robert THOMANN Geschäftsführer Smart City Mannheim GmbH; Mannheim, DE</p> <p>🏆 The Role of Public-Private Partnerships in Smart City Development: A South African Perspective Peter China MASHININI, Trynos GUMBO, Jeffery MAHACHI University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Synergizing BIM, Digital Twin, and XR: An Approach for Real-Time Building Analysis and Enhanced Laboratory Management Joel LEHMANN, Kevin KASTNER, Florian KOLB, Tim HÄUSSERMANN, Felix WÜHLER, Alessa RACHE, Matthias RÄDLE, Julian REICHWALD Hochschule Mannheim, CeMOS; Mannheim, DE</p>	<p>🏆 Partizipation und Planung der aktiven Mobilität: Der Einsatz von Cape Revisos Methodenkoffer am Beispiel Herrenbergs Céline SCHMIDT-HAMBURGER*, Peter ZEILE*, Nina HAUG*, Thomas OBST** * KIT, STQP – Neighbourhood planning; Karlsruhe, DE ** Höchstleistungsrechenzentrum, Stuttgart; Stuttgart, DE</p> <p>Userbasiertes intermodales Routing Kathrin PRINZ RPTU; Kaiserslautern, DE</p> <p>🏆 Gendersensible Mobilität - Hindernisse und Handlungsoptionen im Kontext von Carsharing Linda DÖRRZAPF*, Sonja GRUBER**, Ornella MAROVIC*** * TU Wien, Institute of Spatial Planning; Wien, AT ** Büro Sonja Gruber; Wilfleinsdorf, AT *** MO.Point Mobilitätsservices GmbH; Wien, AT</p> <p>🏆 Decoding Stress – ein interdisziplinärer Analyseansatz zur Identifikation Stress auslösender Faktoren für den urbanen Rad- und Fußverkehr Nina HAUG, Peter ZEILE, Markus NEPPL KIT, STQP – Stadtquartiersplanung; Karlsruhe, DE</p>
	<div style="border: 2px solid red; padding: 20px; background-color: #f0f0f0;"> <p style="font-size: 24px; color: #0056b3; margin: 0;">Also note the live info monitor next to the registration desk!</p> </div>	
from 18:00	Official REAL CORP 2024 Evening Reception at MAFINEX (Julius-Hatry-Straße 1, 68163 Mannheim)	

Tuesday, 16 April 2024

Auditorium 3	Auditorium 4	Time
<p>Information Infrastructure and the City Chair: Beniamino MURGANTE</p>	<p>WORKSHOP: Daten und KI – treibende Kraft für die Smart Cities der Zukunft</p>	16:00-17:30
<p>🏆 Digital Space of a Human: From Philosophy to Computer Science Pietro ELISEI*, Vasily POPOVICH**, Manfred SCHRENK***, Tatiana POPOVICH** Ivan GRIAZNYKH** * ISOCARP, President – ExCom member; CA The Hague, The Netherlands ** IST BUREAU LLC.; St.Petersburg, Russia *** CORP – Consulting Research Projects, Managing Director ; Vienna, AT</p> <p>🏆 Spatial Justice in the Distribution of Smart City Digital Technologies: Three Area-Based Case Studies of Free Municipal Wi-Fi in the City of Tshwane, South Africa Tlou Phillemon MATHANE, Trynos GUMBO, Eric Nyembezi MAKONI University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Sustainable Operation of Digital Infrastructure in the Smart City: Practical Experience and Implications Jan-Philipp EXNER, Patrick ANDRES ZENNER International GmbH & Co. KG, IoT & Digital Solutions; Saarbrücken, DE</p> <p>🏆 The Use of Situated Visualized Data to Nudge Visitor’s Paths: a Case Study at the Detmold Design Week 2023 Mareile LICHT, Amanda BARBOSA JARDIM, Maximilian MÜH, Axel HÄUSLER Technische Hochschule Ostwestfalen-Lippe; Detmold, DE</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>ACHTUNG! DER WORKSHOP WIRD AUF DEUTSCH GEHALTEN!</p> <p>Der Workshop befasst sich mit der Integration von Künstlicher Intelligenz (KI) in die Stadt- und Regionalplanung zur präzisen und beispielhaften Analyse von Bevölkerungsentwicklung, Verkehrsströmen und Energieverbrauch. Durch die Vorhersage zukünftiger Entwicklungen und Ereignisse können Städte nachhaltige Infrastrukturen aufbauen und eine effizientere Ressourcennutzung gewährleisten. Ziel ist es, die Chancen und Möglichkeiten des Einsatzes von KI zu verdeutlichen. KI entpuppt sich in diesem Zusammenhang als transformative Kraft, die nicht nur Daten analysiert, sondern auch fundierte Erkenntnisse generiert und damit evidenzbasierte Entscheidungsprozesse ermöglicht. Unser Workshop bietet Ansatzpunkte und eine Diskussionsgrundlage zur Integration von KI in die Stadt- und Regionalplanung für Akteure aus Wirtschaft, Wissenschaft, Politik und Verwaltung. Nach einem Impuls werden wir das Thema in Gruppen gemeinsam mit den Teilnehmern diskutieren.</p> <p>Marvin BALDAUF** Global Shaper at WEF and SAP: Mannheim, DE</p>  <p>Global Shapers Community is an initiative of the World Economic Forum (WEF): https://www.globalshapers.org/hubs/heidelberg-hub/</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Wednesday, 17 April 2024

Time		Auditorium 2
09:30-11:00		<p>Nachhaltige Raumnutzung Moderation: Stefan RAU</p>
<p>MONDAY</p>	<p>REAL CORP 2024 IS BROUGHT TO YOU BY</p>	<p>🏆 Transformation ehemaliger Arbeiterinnen- und Arbeitersiedlungen in Niederösterreich Katharina KIRSCH-SORIANO DA SILVA, Lukas BOTZENHART Caritas der Erzdiözese Wien – Hilfe in Not, Stadtteilarbeit; Vienna, AT</p> <p>Grow with Corporate Sustainability: ESG-Regulierungen als nachhaltige Wachstumstreiber Kim HIRSCH osapiens; Mannheim, DE</p> <p>Nature-based Solutions als Aspekt bei der Entwicklung innerstädtischer, hochfrequentierter Parkanlagen am Beispiel Rennbahnpark Frankfurt und Neckarvorland Mannheim Christian WILD bhm Planungsgesellschaft mbH; Bruchsal, DE</p>
<p>TUESDAY</p>		
<p>WEDNESDAY</p>		
11:00-11:30		<p>Coffee Break</p>

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LIVE CONFERENCE GUIDE

Wednesday, 17 April 2024

Auditorium 3	Auditorium 4	Time
Artificial Intelligence in Planning Processes Chair: Dirk ENGELKE	Smart City Strategies in Africa Chair: Christian EIZINGER	09:30-11:00
<p>🏆 SMEXI – a Data-Based Approach for the Small-Scale Investigation of Sustainability Goals in Cities Martin MEMMEL*, Akhil YEERASAM** * DFKI GmbH, Smart Data & Knowledge Services/ Smart City Living Lab; Kaiserslautern, DE ** Kaiserslautern, DE</p> <p>🏆 Exploring Generative AI in Planning: A Scenario-Building Simulation for the Master Plan of Bari, Italy Domenico CAMARDA*, Mauro PATANO** * Polytechnic University of Bari; Bari, Italy ** Bari, Italy</p> <p>🏆 The Implementation of Artificial Intelligence in Project Management Christoph SANDBRINK, Aditi BHARATI University of Applied Management Studies Mannheim; Mannheim, DE</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Live Info available on screens at the venue</p> <p style="text-align: center;">Also on your smartphone: http://live.corp.at</p> </div>	<p>Human Behaviour in Africa: a Real Challenge Factor towards Building Smart Cities Abderrahim BOUALY Association Jeunesse Tamdout – AJTCD-Maroc; Agadir, Morocco</p> <p>🏆 Foundation for a Theoretical Framework on the Location of Manufacturing Firms in the Vicinity of Airports Masilonyane MOKHELE Cape Peninsula University of Technology, Urban and Regional Planning; Cape Town, South Africa</p> <p>🏆 Policy and Legislative Enabling Environment for Implementing Digital Technologies in the Local Government Sector: a Case Study of South Africa Tlou Phillemon MATHANE, Trynos GUMBO, Eric Nyembezi MAKONI University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Smart Cities and Infrastructure Development: A Case Study of the Gauteng City Region in South Africa Boy Johannes MASHABELA, Jeffrey MAHACHI, Trynos GUMBO University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa</p> <p style="text-align: center;">Presentations marked with 🏆 are reviewed papers.</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
Coffee Break		11:00-11:30

SCHEDULE

Wednesday, 17 April 2024

Time		Auditorium 2
11:30-13:00		Urban Regeneration Chair: Beniamino MURGANTE
MONDAY	<p>REAL CORP 2024 IS BROUGHT TO YOU BY</p>	<p>🏆 Circular Economy Principles and Planetary Boundaries Mihaela MESLEC, Matthias HAASE ZHAW; Wädenswil, CH</p>
TUESDAY		<p>🏆 Balancing Heritage Preservation and Regeneration in Riyadh: Objectives and Considerations Mayas AHMAD TAHA AL-Yamamah University, AL-Yamamah University; Riyadh, Saudi Arabia</p>
WEDNESDAY		<p>Fourth Nature: Regenerating Cosmicity Simone BACK PROCHNOW Federal University of Rio Grande do Sul, Faculty of Architecture; Porto Alegre, Brazil</p> <p>🏆 An Approach to Investigate the Relationship between Spatial Configurational Pattern and Heritage Classification: Case study Alexandria City Yasmine ARAFA*, Tarek FARGHALY**, Dina SAADALLAH** * Arab Academy for Science and Technology, Architecture Department; Alexandria, Egypt ** Alexandria University, Architectural Engineering Department; Alexandria, Egypt</p>
13:00-14:00		Lunch Break

Presentations marked with 🏆 are reviewed papers.

Wednesday, 17 April 2024

Auditorium 3	Auditorium 4	Time
Modern Mobility Chair: Stefan RAU	Innovative Planning Approaches Chair: Christian EIZINGER	11:30-13:00
<p>A Comparative Analysis on the Impact of Culture, Norms and Attitudes on the Adoption of Eco-Friendly Transportation in Mannheim and Tokyo Ernest Shamorine BOHAM, Hans Rüdiger KAUFMANN University of Applied Management Studies Mannheim; Mannheim, DE</p> <p>🏆 User Preferences for Mobility as a Service (MaaS) Implementation in Germany Christoph SANDBRINK, Nara KARUNASENA University of Applied Management Studies Mannheim; Mannheim, DE</p> <p>🏆 User Experiences on the Integration of Non-Motorised Transport in Public Transport Systems: a Case of the Harambee Bus Rapid Transit Kiara LAWRENCE*, Trynos GUMBO**, Godfrey MUSVOTO* * Durban University of Technology, Department of Town and Regional Planning; Durban, South Africa ** University of Johannesburg, Department of Town and Regional Planning; Johannesburg, South Africa</p>	<p>🏆 Assessment of Residential Electricity Consumption and Renewable Energy Self-Sufficiency – a Case Study of Tainan, Taiwan Yi-Hsuan SHEN, Hsueh-Sheng CHANG National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan</p> <p>🏆 ISEK⁴ – A Regional Approach to Inner City Development Petra HIRSCHLER*, Sibylla ZECH*, Martin AUFHAUSER*, Elio PESCATORE*, Florian PÜHRINGER*, Tom BRANDSTETTER*, Theresa JANESCH*, Markus TOMASELLI**, Sebastian SATTLEGER***, Annalisa MAURI***, Malene BUCHENBERGER** * TU Wien, Institute of Spatial Planning; Vienna, AT ** TU Wien, Institute of Urban Design and Landscape Architecture; Vienna, AT *** Vienna, AT</p> <p>ODD – Operational Design Domain as Test Arrangement for the Future Automatisations of Road Traffic Heinz DÖRR arp-planning.consulting.research; Wien, AT</p> <div style="background-color: #6a5acd; color: white; padding: 10px; text-align: center; margin-top: 20px;"> <p>What's coming up next?</p> <p>Our live conference guide</p> <p>http://live.corp.at</p> <p>has the answer</p> </div>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
Lunch Break		13:00-14:00

SCHEDULE

Wednesday, 17 April 2024

		Auditorium 2	
Time			
14:00-15:30		Fighting Climate Change Chair: Beniamino MURGANTE	
MONDAY	<p>REAL CORP 2024 IS BROUGHT TO YOU BY</p>	<p>🏆 Latent Heat Storage to Improve the Urban Microclimate Lars ERLBECK, Gamze ÜNSAL-PETER*, Thomas WALCH**, Hans Rüdiger KAUFMANN***, Matthias RÄDLE***</p> <p>* Hochschule Mannheim, CeMOS Institute; Mannheim, DE ** Worldcode1; Rauenberg, DE *** Hochschule der Wirtschaft für Management Mannheim, Master in Business Management; Mannheim, DE</p>	
TUESDAY		<p>🏆 Evaluating the Potential of Vertical Farming Business Models for Sustainable Agriculture and Food Security in Cameroon Edith Vefemsi VIKIH, Hans Rüdiger KAUFMANN University of Applied Management Studies Mannheim; Mannheim, DE</p>	
WEDNESDAY		<p>🏆 Climate Change Impacts on Food (In)Security: a Case Study of Eneyzane, Kwazulu-Natal, South Africa Vuyiswa LETSOKO, Bonakele MAZIBUKO University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p>	
		<p>Live Info available on screens at the venue</p> <p>Also on your smartphone: http://live.corp.at</p>	
15:30-16:00		Conference Closing: Summary, Outlook, Perspectives	Auditorium 2

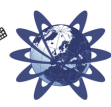
Wednesday, 17 April 2024

Auditorium 3	Auditorium 4	Time
<p>Sustainable Mobility Chair: Clemens BEYER</p>	<p>Public Well-Being Chair: Petra HIRSCHLER</p>	14:00-15:30
<p>How do They Ride? Analysis of Cycling Biomechanics (“MODELO-Rad” Project) Martin BEJARANO, Jochen ECKART Hochschule Karlsruhe, Institut für Verkehr und Infrastruktur (IVI); Karlsruhe, DE</p> <p>🏆 Analysis of Digital Technological Applications in Public Transportation Systems Ticketing and Communications: Reviews of Singapore, Sydney, Cape Town and Lagos Experiences Kiara LAWRENCE*, Trynos GUMBO**, Godfrey MUSVOTO* * Durban University of Technology, Department of Town and Regional Planning; Durban, South Africa ** University of Johannesburg, Department of Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 GreenTwin: Developing a Digital Twin for Sustainable Cooperative Mobility and Logistics in Rural Areas Ye Eun BAE*, Jan-Ole BERNDT*, Joachim BRINKMANN**, Guido DARTMANN**, Andreas HUCHT***, Annegret JANZSO*, Anna KRAVETS*, Chantal LIDYNIA****, Vivian LOTZ****, Marlies MORGEN**, Ralf PHILIPSEN****, Stephanie C. RODERMUND*, Alexander SCHEWERDA*, Jens SCHNEIDER**, Henrik TE HEESEN**, Ingo J. TIMM*, Kristof UEDING**, Martina ZIEFLE****, Sam KOPP** * Deutsches Forschungszentrum für Künstliche Intelligenz; Trier, DE ** Umwelt-Campus Birkenfeld; Birkenfeld, DE *** PSI Logistics GmbH; Berlin, DE **** RWTH Aachen University; Aachen, DE</p>	<p>🏆 The Human-Based Sustainability: a Responsive Approach towards Cities Redevelopment Aya ABDELMAJEED, Asmaa HASAN, Mohamed FIKRY Alexandria University, Architecture Department; Alexandria, Egypt</p> <p>Integrating Climate Change Adaptation into Strategic Urban Planning: Analysing Karlsruhe City Development Strategies Heba SOLIMAN Kafr Elsheikh University, Architecture Engineering; Algharbia, Egypt</p> <p>🏆 Maintaining Water and Sanitation Service Delivery in Rural and Peri-Urban North West Province of South Africa: Governance as Social or Entrepreneurial Responsibility? Samson FABOYE, Trynos GUMBO University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Functional Integration of Rural Communities with Propulsive Urban Growth Centre in their Vicinity through Nature Base Solutions Papiya Bandyopadhyay RAUT*, Sandeep Kumar RAUT**, Vivek KUMAR*** * School of Planning and Architecture, Department Physical Planning; New Delhi, India ** Town and Country Planning Organisation GOI MoHUA, Regional Planning Division; New Delhi, India *** Indian Institute of technology Delhi, Center of Rural Development and Technology; New Delhi, India</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

REAL CORP SINCE 1996



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



- 2023: *Let It Grow, Let Us Plan, Let It Grow: NBS for Sustainable Resilient Smart Green and Blue Cities*
- 2022: *Mobility, Knowledge and Innovation Hubs in Urban and Regional Development*
- 2021: *Cities 20.50: Creating Habitats for the 3rd Millennium: Smart – Sustainable – Climate Neutral*
- 2020: *Shaping Urban Change – Livable City Regions for the 21st Century*
- 2019: *Is this the Real World? “Perfect Smart Cities” vs. “Real Emotional Cities”*
- 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’*
- 2012: *Re-Mixing the City – Towards Sustainability and Resilience?*

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Beyer, Clemens; Dipl.-Ing.	CORP – Competence Center of Urban and Regional Planning	Vienna, AT
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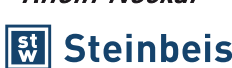
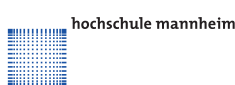
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