

CALL FOR PAPERS, PROJECTS AND INTERVENTIONS

INUAS Conference 2020 in Munich
Urban Transformation: Resources

Wed, 09/09/2020 – Fri, 11/09/2020

Munich University of Applied Sciences, Lothstraße 64, 80335 Munich



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**MATERIAL ZEIT
RAUM ENERGIE**

The conference series “Urban Transformation: Housing | Resources | Public Spaces” creates a platform for a critical appraisal of current issues and perspectives in the development of the metropolitan regions of Munich, Vienna and Zurich.

The second in this series of conferences will take place in Munich in September 2020 and will focus on the topic of resources, examining the four thematic tracks of TIME, SPACE, ENERGY, MATERIALS from technical, ecological, political and social perspectives.

Held in Vienna during November 2019, the first event addressed the issue of housing. Public spaces will be the topic of the final conference held 2021 in Zurich.

The Call for Papers, Projects and Interventions is intended for researchers, graduates and students from various disciplines, as well as actors and initiatives in applied fields of work, who deal with resources in growing cities and wish to contribute their expertise to the analysis and sustainable development of cities and metropolitan regions.

Background

INUAS (International Network of Universities of Applied Sciences) was founded in 2011 as an institutional cooperation of three Universities in the DACH region - the Munich University of Applied Sciences (D), the FH Campus Wien University of Applied Sciences (A) and the Zurich University of Applied Sciences (CH).

The INUAS network continues the inter- and transdisciplinary discourse on urban transformations in growing cities and invites to the international conference series “Urban Transformations: Housing | Resources | Public Spaces”. The aim of the conference series is to promote inter- and transdisciplinary exchange on urban transformations, to discuss existing challenges in growing cities and regions, and to contribute to the sustainable development of urban spaces.

Key Topics

Researchers, graduates and students from different disciplines, as well as actors and initiatives in applied fields of work are invited, to submit scientific contributions and projects from the urban practice on the following four main topics.

The resource TIME

In its 2016 flagship report “Humanity on the Move”, the German Advisory Council on Global Change (WGBU) identified time as one of three “master builders of cities”, in addition to power and hardship. TIME, as a scarce and non-reproducible resource, plays a vital role in the necessary transformation towards sustainability (WBGU 2011). This is particularly apparent in metropolitan regions when considering the issues of climate protection, the provision of housing and preparation for demographic change. How can the necessary transitions be designed such as to preserve democratic participation in urban development, despite the scarcity of time in an accelerated world (Rosa 2012)? The time available to each person places limits on the general resource time, despite its even distribution – each person has 24 hours, every day. From a societal perspective, our modern age has assumed an endless availability of time (each generation is given new time). But the ongoing debate of climate change has

undermined this perception of seemingly inexhaustible reserves of time. A sense of urgency has emerged, accompanied by perplexity as to how to manage the pressing challenges.

This Call invites the submission of contributions that address TIME as a resource in metropolitan regions and, for instance, ask questions about:

- Acceleration and resource consumption
- Planning under time pressure vs. claims to participation
- Paradoxical responses to time pressure in the climate debate
- The time regime of efficiency (growth, acceleration) vs. The time regime of sufficiency (post-growth, resonance)

The resource SPACE

SPACE is a precious and now fiercely contested resource in metropolitan regions. While more rural regions have sufficient AREAS for housing, work, leisure pursuits, culture, sport, transport, industry and trade, the living space in cities is becoming increasingly scarce due to the persistent influx of new residents. Concepts aimed at densification, improved and multiple utilisation and the distribution and management of space are in demand and have been promoted noticeably for some time. The thematic track of SPACE as a resource seeks to embrace these concepts, without neglecting the causes and long-term implications of space requirements in metropolitan regions.

Possible contributions in this thematic track will explore the following issues:

- Parks and parking – free space and land usage
- Shared spaces – work, housing, leisure and transport
- Cities and surrounding areas – supply and infrastructure
- Meeting spaces – identity and appropriation

The resource ENERGY

In future, housing, everyday life, work and mobility must no longer lead to the release of climate-damaging gases – neither locally nor through energy production using fossil fuels and transport over extended distances. The thematic track of ENERGY investigates how energy requirements can be reduced for all life functions and which opportunities exist for the green production, distribution and use of energy. It focuses on sustainable solutions for energy systems in urban spaces: concepts for building design and the use of renewable energies at the building and neighbourhood level, as well as the establishment of smart grids that combine housing with mobility.

Possible contributions in this thematic track will explore the following issues:

- Urban energy balance – needs and potential
- Efficient buildings and neighbourhoods – construction, maintenance and management
- User behaviour – sufficiency and smart cities
- Regenerative energies – sources, storage and grids
- Urban energy transition – heat, power, mobility

The resource MATERIAL

How do we want to deal with materials in urban environments in the future? This question covers the entire area of material management. Processes in urban life must encompass complete recycling and not come to an end once a material has been used.

Here, the aim within the construction sector is to create a completely closed loop for building materials: cradle to cradle, urban mining. This focuses on resource-saving, sustainable and dismantlable construction, as well as on the use of reusable and recycled building materials. One of the key aims is to preserve our current building stock.

We approach the use of commodities and consumables in a similar way: extension of service life, reduction in volumes (especially pollutants) and keeping recyclable materials with equal value in the loop.

As a society, how can we create our own incentives for sustainable consumption?

Possible contributions in this thematic track will explore the following issues:

- Life-cycle – repair, service life and adaptability
- Urban mining – cities as material warehouses – circular economy – local production and recycling systems
- Preserving value – transformation without loss
- Maintaining the building stock, sustainable construction

Target group and proceedings

The Call for Papers, Projects and Interventions is intended for researchers, graduates and students from various disciplines, as well as actors and initiatives in applied fields of work.

During the conference, selected participants will present their contributions in conference panels, workshops, poster sessions and excursions or urban interventions.

Language and Costs

Talks and contributions to the conference can be given in English or German. The conference languages in plenary session are also German and English.

The conference fee is significantly reduced for speakers who present their paper during the conference. The reduced conference fee is EUR 140 (EUR 50 for students).

The organisers do not cover the costs of travel and accommodation for speakers.

Submission

The abstracts incl. contact details must be submitted here:

[Submission of contributions](#)

Interested parties are asked to submit an abstract of 400 to 600 words (no more than two DIN A4 pages) and to assign it to one of the four thematic tracks. Contributions can be submitted in German or English.

The closing date for submissions is 31 January 2020.

ACADEMIC SUBMISSIONS

Abstracts for scientific contributions should briefly outline the research question and methodological approach, as well as key findings and conclusions.

PROJECT SUBMISSIONS

Abstracts for project contributions should briefly outline the concept, innovative aspects, methods of implementation, sustainable effects of the project as well as findings and challenges.

EXCURSIONS/INTERVENTIONS

Project and initiative teams are also invited to present innovative projects in the form of excursions/interventions in Munich. Abstracts for excursions/interventions should briefly outline the concept, innovative aspects, methods of implementation, sustainable effects of the project as well as findings and challenges.

Evaluation

All submissions will be peer reviewed by the Scientific Committee and associated experts. The contributions accepted by the interdisciplinary jury will be published in the conference's Book of Abstracts. The Scientific Committee will endorse selected papers of particular merit that are presented at the conference for free publication in other relevant journals.

The submitters will be notified of the results of the selection process by mid-April 2020. A revision of the submission prior to inclusion in the Book of Abstracts may be suggested.

The full conference program will be published at the end of May/beginning of June at www.inuas.org. Registration will open at the same time.

Scientific Committee/Jury

Martin Aichholzer, Department Building and Design, FH Campus Wien University of Applied Sciences

Gerald Beck, Department of Applied Social Science, Munich University of Applied Sciences

Oliver Bohlen, Department of Electrical Engineering and Information Technology, Munich University of Applied Sciences

Vicente Carabias-Hütter, School of Engineering, Institute of Sustainable Development, ZHAW Zurich University of Applied Sciences

Marc Diebäcker, Department of Social Work, FH Campus Wien University of Applied Sciences

Peter Jenni, School of Architecture, Design and Civil Engineering, Institute Urban Landscape, ZHAW Zurich University of Applied Sciences

Andrea Kustermann, Department of Civil Engineering, Munich University of Applied Sciences

Silke Langenberg, Department of Architecture, Munich University of Applied Sciences (lead)

Robert Meier-Staude, Department of Engineering and Management, Munich University of Applied Sciences

Christian Schweigler, Department of Building Services Engineering, Munich University of Applied Sciences

Christoph Stoik, Department of Social Work, FH Campus Wien University of Applied Sciences

Markus Wellenzohn, Department of Engineering, FH Campus Wien University of Applied Sciences

Contact

Conference organization of the Munich University of Applied Sciences

Petra Wiese, E-Mail: inuas-conference@hm.edu