

SMART CITIES¹⁶

DESIGNING PLACES & URBAN MENTALITIES



Smart Cities – global challenges in local frames



Let me give you a very warm welcome to the Executive Workshops, which will be held over two mornings. We have purposefully chosen this additional, small session format in the context of a high-profile 8-day Summer School entitled »Smart Cities. Designing Places & Urban Mentalities« to establish an open discussion between international experts and students, but also with local stakeholders from politics, administration, private companies, and the media.

The Summer School is honoured to welcome 25 PhD students from 21 cities and 13 countries. Approaching the matter from different angles, 15 recognised experts highlight key problems in their entertaining and thought-provoking lectures. Four of them make up the core of the two Executive Workshops. Under the title »Policies developing new industries«, Allen J. SCOTT (Luskin School of Public Affairs, UC Los Angeles) and Koen FRENKEN (Copernicus Institute of Sustainable Development, Utrecht University) address the economic forces of urban innovation and creative potentials in the political social context. Leading questions on the matter include: Will the fourth industrial revolution (Industry 4.0) lead to the re-industrialisation of Europe? How should political strategies be designed to ensure Europe's competitiveness? Prof. Scott and Prof. Frenken place such key issues in the interplay between conflict-prone developments, infrastructure, and strategies for innovation.

Vassilis KOSTAKOS (Head of Center for Ubiquitous Computing, University of Oulu) and Marcus FOTH (Founder and Head of Urban Informatics Research Lab, Queensland University of Technology) address the theme »New Technologies and Quality of Life in Urban Spaces«.

In doing so, they illuminate complex issues around increasing technologisation, digitisation, and urbanisation in the 21st Century. Prof. Kostakos and Prof. Foth, research experts in the field of complex interaction between man and machine in urban domains, examine the links between mobile technologies, social media and ubiquitous computing systems, which could play a fundamental part in the challenges of urbanisation in the 21st Century.

We have invited these four internationally renowned researchers and experts to get engaged with local actors, municipalities and researchers. To be sure, they will help us make sense of the world, but also refresh and stimulate our Viennese Center of Excellence, expanding it through new interesting external perspectives, while enriching any internal discussions. On the other hand, the Executive Workshops format constitutes also an experimental effort to confront academic research by renowned scholars and young PhD students with local experts. In particular, the two-day Executive Workshops offer the opportunity to take a stand on the current debate around the concept of Smart City, to gain knowledge from international scientists, and subsequently discuss with other local stakeholders and scientists. We would appreciate if participants take the opportunity to share their knowledge and experience in the spirit of open workshops. In doing so, these two mornings could become a forum to connect and exchange views with colleagues and local stakeholders, as well as a broader networking opportunity.

We would like to express our gratitude for your interest, and are hopeful that both mornings will bring exciting ideas and fruitful discussions.

Oliver Frey & Esther Sophie Blaimschein

Interdisciplinary Centre of Urban Studies,
Department of Spatial Planning, TU Wien

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MARCUS FOTH

1. TRANSDISCIPLINARITY

What are the foundations of smart cities scholarship? Participants should get an appreciation of why it is imperative to be transdisciplinary working across social, technical, and spatial/material research domains: people, place, technology.

2. GRANULARITY

What are the main concepts relevant to smart cities scholarship and how are they layered? For example, Bratton (2016) calls it The Stack. Participants should practice their agility of being able to navigate different levels of granularity, from the low level (data, sensors, IoT), via mid levels (cities as platforms, cities as interface), to the higher levels (governance, ownership, engagement, polity).

3. SCALABILITY

What are the different circles of influence at stake in not just smart cities scholarship but also any smart cities projects in local government, industry, civil society, activism? What are the mechanisms of scale-making that enable facilitators and strategists to expand their circle of influence and the impact and reach of their initiatives?

4. CRITICALITY

What are best practices for smart cities scholarship to connect with and contribute to critical, that is, significant issues, challenges but also opportunities of our times, and how do we identify those? And how do we ensure we apply criticality to our smart cities scholarship, that is, reflection and evaluation across a spectrum from contested to desirable future scenarios.



KOEN FRENKEN

Questions I would like to see addressed is: isn't smart city technology not a solution in search for problems? How they we make sure that smart technologies empower citizens and benefits primarily the marginalized. What about privacy issues? What about the Uberization/Airbnbization of the economy, and the resulting problem regarding data access for government which makes enforcement of regulation so hard?



VASSILIS KOSTAKOS

Smart cities can be considered as the next wave of computing. The notion of smart cities serve both as a conceptual metaphor for developing new technologies, as well as an application domain for providing value with our technologies. During this summer school, it is important to highlight what new and emerging mobile computing technologies can achieve, and how these technologies can be incorporated in smart cities.



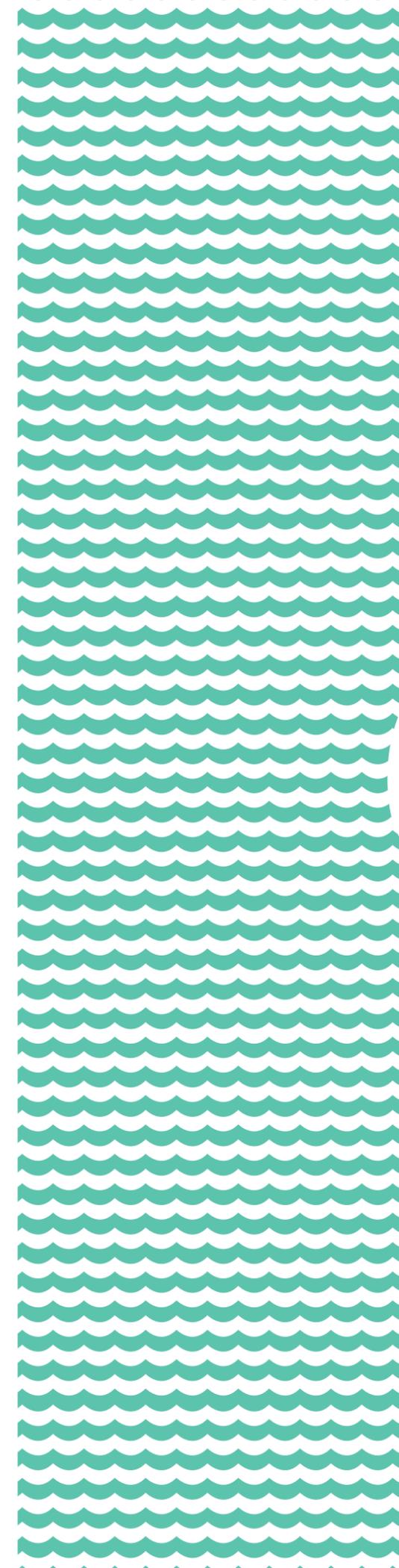
BERNHARD MÜLLER

In spring 2016 the institution »Urban Forum« edited and published the book »Zukunft Stadt – Future City«. It is an anthology of well-known writers that deal with challenges of the urban living space and the environment of cities. Those who have a closer look at the tendencies of urbanism in general and the development of so-called »megacities« will recognize that the global future will be urban. While all over the world there are debates about the importance of national states versus international alliances, the primer concern of the cities often disappears. With all relevance of the rural areas, there is no doubt that the urban regions offer a major and essential part of services for the public and quality of life.



ALLEN J. SCOTT

Urban studies today significantly lacks any meaningful definition of the city as an object of theoretical analysis. A primary task therefore is to seek to clarify this mystery. Is the city just a shorthand term for modern society? Or does it have a specific empirical substance and relational dynamics that identify it as a sui generis phenomenon? These questions are critical for academic reasons as well as for the purposes of urban policy. For example, are cities everywhere generically similar, or do we need different concepts to analyze different kinds of cities? Is poverty an urban problem or is it rooted in other kinds of social processes? To what degree are national production systems simply aggregates of urban production systems? Is creativity an attribute of urbanization or of some other set of processes? There are no clear answers to these questions, but as we attempt to clarify our thoughts about them we can greatly sharpen our capacities both for effective research and for a deeper understanding of the possibilities and limits of urban policy.



Designing Places & Urban Mentalities



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Thursday | 25th August 2016 | 09:00-13:00 | TUtheSky, Getreidemarkt 9, 11.Stock, 1060 Wien

POLICIES DEVELOPING NEW INDUSTRIES

Urban economic future, creative cities & urban innovation

08:45 REGISTRATION

09:00 WELCOME INTRODUCTION
Oliver Frey, Interdisciplinary Center of Urban Studies, TU Wien

09:15 INPUT - ECONOMICAL PERSPECTIVES ON THE SMART CITY
Alfried Braumann, Wirtschaftsagentur Wien

09:30 DYNAMICS OF CITIES
Allen J. Scott, Luskin School of Public Affairs, UC Los Angeles

10:30 INTERACTIVE FEEDBACK SESSION
Allen J. Scott
Moderation: Pamela Mühlmann, TINA Vienna

11:00 COFFEE BREAK
Partner Forum

11:30 NEW INDUSTRY FORMATION
Koen Frenken, Copernicus-Institute of Sustainable Development, Utrecht University

12:30 INTERACTIVE FEEDBACK SESSION
Koen Frenken
Moderation: Pamela Mühlmann, TINA Vienna

13:00 CONCLUSION
Networking and Buffet



Friday | 26th August 2016 | 09:00-13:00 | TUtheSky, Getreidemarkt 9, 11.Stock, 1060 Wien

NEW TECHNOLOGIES AND QUALITY OF LIFE IN URBAN SPACES

08:45 REGISTRATION

09:00 FUTURE OF THE CITIES – QUALITY OF LIFE IN URBAN REGIONS
Bernhard Mühlmann, Urban Forum

09:30 GOVERNANCE AND ENABLING PEOPLE THROUGH SMART CITY AGENDAS
Marcus Foth, Founder and Head of Urban Informatics Research Lab, QUT

10:30 INTERACTIVE FEEDBACK SESSION
Marcus Foth
Moderation: Pamela Mühlmann, TINA Vienna

11:00 COFFEE BREAK
Partner Forum

11:30 SMART CITY INITIATIVES & EXPERIENCES
Vassilis Kostakos, Head of Center for Ubiquitous Computing, University of Oulu

12:30 INTERACTIVE FEEDBACK SESSION
Vassilis Kostakos
Moderation: Pamela Mühlmann, TINA Vienna

13:00 CONCLUSION
Networking and Buffet

Impressum

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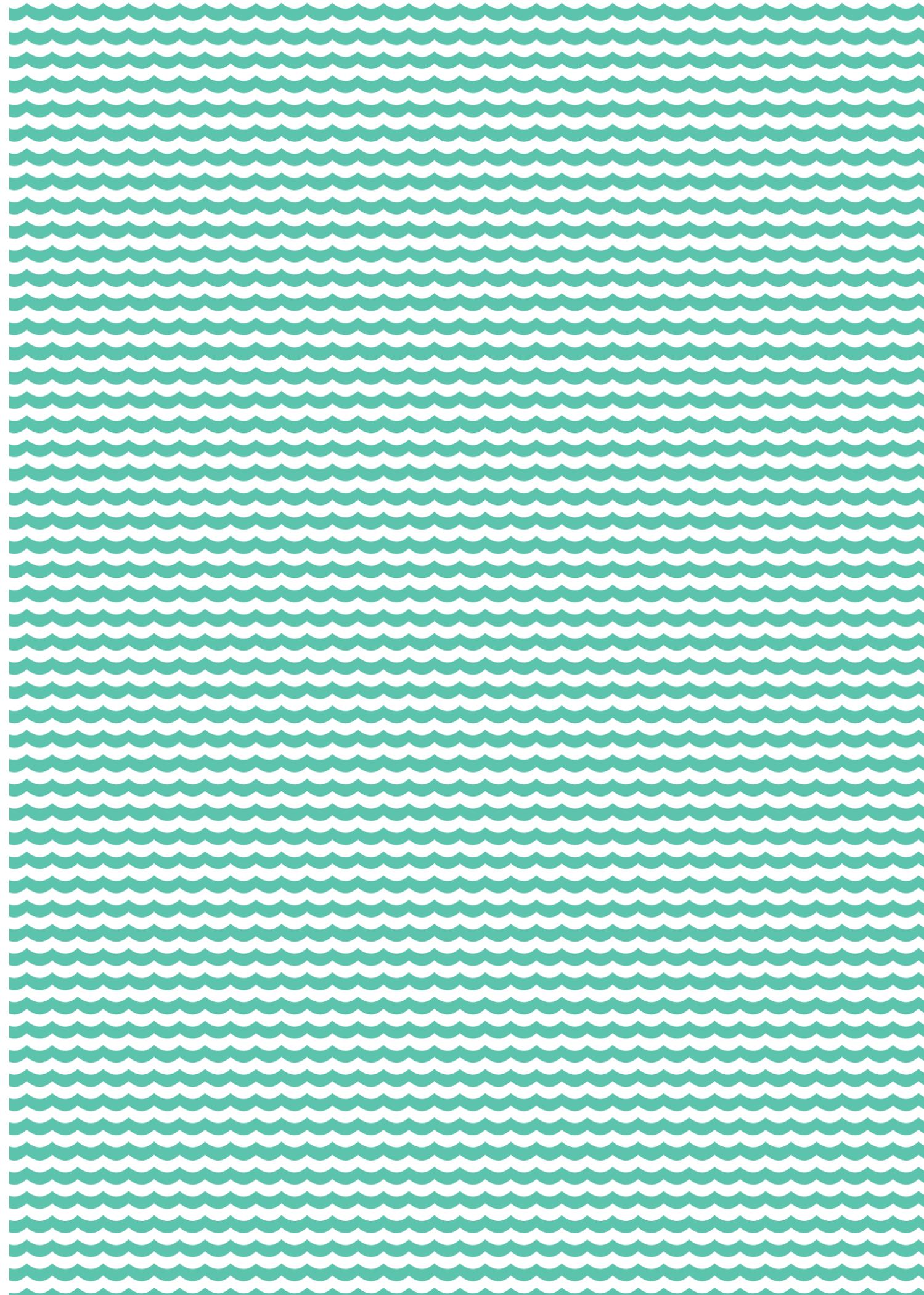
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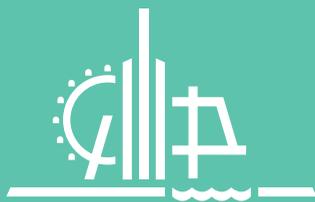
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