



COMPLEXITY
SCIENCE
HUB
VIENNA

CSH WORKSHOP AGENDA

DATA INFORMED URBAN PLANNING

September 26, 2017

COMPLEXITY SCIENCE HUB VIENNA
ROOM 101
PALAIS STROZZI
JOSEFSTÄDTER STRASSE 39
A-1080 VIENNA

Abstract

New technologies influence how we use and transform our cities. In this context, the main challenge for ensuring smart and livable future cities is how we can use the flood of data for urban services and for assisting urban planning and design processes. In this workshop, we discuss methods for collecting and analyzing data sets from urban environments for developing predictive models and for assisting urban design processes for a new kind of digital master plan. The workshop aims to connect experts with different backgrounds to stimulate new collaborations and innovative future research directions.

List of participants

Name	Organisation
Abdulmalik Abdulmawla	Bauhaus-University Weimar
Martin Bielik	Bauhaus-University Weimar
Andras Borsos	Central European University
Juan-Carlos Carvajal-Bermudez	AIT
Mohammad Ali Farajiyani	AIT
Ekaterina Fuchkina	Bauhaus-University Weimar
Konieva Kateryna	ETH Future Cities Laboratory, Singapore
Tamer Khraisha	Central European University
Katja Knecht	ETH Future Cities Laboratory, Singapore
Reinhard König	AIT
Ruggiero Lo Sardo	Medical University of Vienna, CSH
Yufan Miao	ETH Future Cities Laboratory, Singapore
Johannes Müller	ETH Future Cities Laboratory, Singapore
Sven Schneider	Bauhaus-University Weimar
Vito DP Servedio	CSH
Jacob Wegerer	AIT

ABOUT THE COMPLEXITY SCIENCE HUB VIENNA

The objective of CSH is to host, educate, and inspire complex systems scientists who are dedicated to collect, handle, aggregate, and make sense of big data in ways that are directly valuable for science and society. Focus areas include smart cities, innovation dynamics, medical, social, ecological, and economic systems. CSH is a joint initiative of AIT Austrian Institute of Technology, IIASA International Institute for Applied Systems Analysis, Medical University of Vienna, Vienna University of Technology, Graz University of Technology, and Vienna University of Economics and Business.

The workshop is kindly supported by:

AGENDA

9:00	Arrival
9:15 – 9:30	Welcome and Introduction Complexity Science Hub Vienna
9:30 – 10:00	Introduction of the workshop (Reinhard König)
10:00 – 11:00	Methods for Urban Data Analysis Short presentations (10 min each) and discussion: <ul style="list-style-type: none">- Martin Bielik (BUW)- Abdulmalik Abdulmawla (BUW)- Jacob Wegerer (AIT)- Ruggiero Lo Sardo (CSH, MUW)
11:00 – 11:15	Coffee break
11:15 – 12:15	Citizen Science and Co-Design Short presentations (10 min each) and discussion: <ul style="list-style-type: none">- Johannes Müller (FCL)- Juan-Carlos Carvajal-Bermudez (AIT)- Jan-Peters Anders (AIT)- Vito DP Servedio (CSH)
12:15 – 13:15	Lunch Break
13:15 – 14:00	Design Space Exploration & Visualization Short presentations (10 min each) and discussion: <ul style="list-style-type: none">- Katja Knecht (FCL)- Ekaterina Fuchkina (BUW)
14:00 – 14:15	<i>Coffee break</i>
14:15– 15:00	Modelling and Optimization for (Urban) Planning Applications Short presentations (10 min each) and discussion: <ul style="list-style-type: none">- Yufan Miao (FCL)- Kateryna Konieva (FCL)- Mohammad Ali Farajiyani / Reinhard König (AIT)
15:00 – 15:30	Discussion of future collaborations & next steps
15:30	End

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