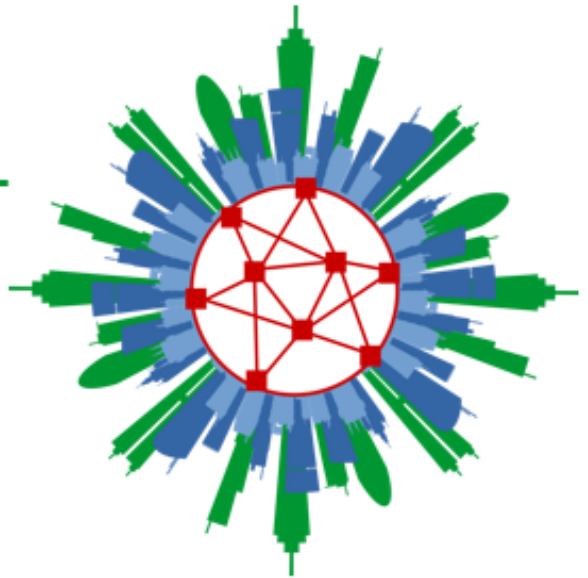


SuMoCoS

Sustainability and Mobility
in the Context of Smart Cities



Preliminary Programme (16.09.2019)

International Conference on Sustainability and Mobility in the Context of Smart Cities

Ulaanbaatar

September 24-28, 2019

Funded by



Federal Ministry
of Education
and Research

Organized by

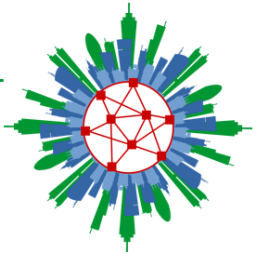


**MONGOLIAN
ACADEMY OF SCIENCES**



CARL
VON
OSSIETZKY
universität
OLDENBURG



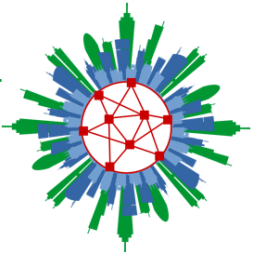


Preliminary Programme (16.09.2019)

24-Sep-2019, Tuesday, Day 1 (09:00-18:00)

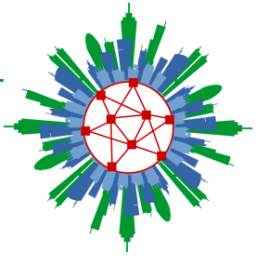
Smart City Foundations

Time	Activities
08:30-09:00	<i>Registration</i>
09:00-10:30	Session 1.1: Opening
09:00	Opening speeches <ul style="list-style-type: none"> • <i>Academician D. Regdel (President of Mongolian Academy of Sciences)</i> • <i>S. Batbold (State Secretary of Ministry of Road and Transport Development)</i> • <i>M. Khaliunbat (Head of Innovation and Technology Projects, Governor's Office of the Capital City)</i>
09:30	Introduction to Travelling Conferences <i>Christian Schönberg (University of Oldenburg)</i>
09:45	Introduction of MAS and Mongolian Universities <i>Organizing committee (Mongolian Academy of Sciences)</i>
10:15	Introduction of DLR and Delegation <i>Christian Rahmig (DLR)</i>
10:30-11:00	<i>Coffee & Tea</i>
11:00-12:30	Session 1.2: Introduction of Partners
11:00	Introduction of University of Oldenburg and Delegation <i>Johannes Meier (University of Oldenburg)</i>
11:30	Smart Cities viewed as IoT Systems <i>Andreas Winter (University of Oldenburg)</i>
12:00	Keynote Presentation Smart City Strategy of Mongolia <i>R. Mergen (Director General of the Policy and Planning Department, Ministry of Road and Transport Development)</i>
12:30-12:40	<i>Group Photo</i>
12:40-14:00	<i>Lunch</i>
14:00-15:30	Session 1.3: Smart City Concepts and Methodologies
14:00	Keynote Presentation Smart City Strategy of Ulaanbaatar <i>M. Khaliunbat (Head of Innovation and Technology Projects, Governor's Office of the Capital City)</i>



14:30	Mobility platforms as a key element for sustainable mobility <i>Alexander Sandau (University of Oldenburg)</i>
15:00	Evaluating Smart Cities <i>Burmaa Myagmar (Mongolian University of Sciences and Technology)</i>
15:30	Poster Pitches
15:45-16:15	<i>Coffee & Tea</i>
16:15-17:45	Session 1.4: Interactive
16:15	Envisioning smart cities – some examples from Europe <i>Peyman Khodabakhsh (atene KOM GmbH)</i>
16:30	Panel discussion Topic: Potential of Smart City Approaches in Mongolia Panellists: tba
18:00	<i>Daily Closing</i>



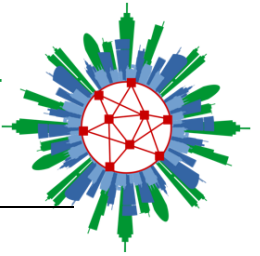


Preliminary Programme (16.09.2019)

25-Sep-2019, Wednesday, Day 2 (09:00-18:00)

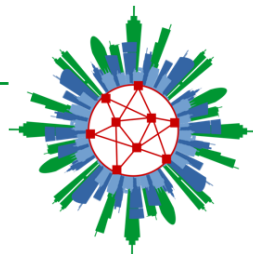
Use Cases and Industry Solutions

Time	Activities
08:30-09:00	<i>Registration</i>
09:00-10:30	Session 2.1: Infrastructures
09:00	Sensor Networks <i>Oliver Theel (University of Oldenburg)</i>
09:30	IIoT <i>Hilmar Bunjes (erminas GmbH)</i>
10:00	Developing the Smart City based on Internet of Things <i>Khishigjargal Gonchigsumlaa (Mongolian University of Sciences and Technology)</i>
10:15	Digital infrastructure as a fundament for smart cities and regions <i>Annette Schumacher (atene KOM GmbH)</i>
10:30-11:00	<i>Coffee & Tea</i>
11:00-12:30	Session 2.2: Mobility
11:00	Digital Urban Mobility <i>Christian Rahmig (DLR)</i>
11:15	Smart Mobility Solutions by OECON <i>Christian Rahmig (on behalf of OECON)</i>
11:30	Conception of a product service management system for the marketing of customer-specific services in the mobility sector <i>Alexander Sandau (University of Oldenburg)</i>
11:45	Smart Mobility in the energy system <i>Zagdkhorol Bayasgalan (Mongolian University of Sciences and Technology)</i>
12:00	Routing in Oldenburg <i>Johannes Meier, Oliver Theel, Andreas Winter (University of Oldenburg)</i>
12:15	PAHs associated with PM10 among Ger districts in Ulaanbaatar <i>Khulan Tsermaa (National University of Mongolia)</i>
12:30-14:00	<i>Lunch</i>
14:00-15:30	Session 2.3: Education and Privacy
14:00	Introducing a "SMART" concept in engineering curriculum <i>Bayarmaa Tsogtbaatar (National University of Mongolia)</i>
14:15	Data Transparency



	<i>Christian Janssen (University of Oldenburg)</i>
14:30	Privacy and smart traffic management <i>Boris Reibach (University of Oldenburg)</i>
15:00	<i>Discussion of Legal Aspects</i>
15:30	Poster Pitches
15:45-16:15	<i>Coffee & Tea</i>
16:15-17:45	Session 2.4: Breakout Session
16:15	Poster Pitches
16:30	Collection of Topics of Interest
17:00	Table Discussions on Collaborations
18:00	<i>Daily Closing</i>
19:00-	<i>Conference Dinner</i>



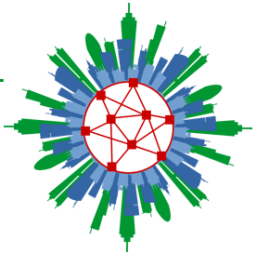


Preliminary Programme (16.09.2019)

26-Sep-2019, Thursday, Day 3 (09:00-18:00)

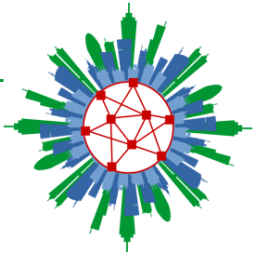
Young Scientists

Time	Activities
08:30-09:00	<i>Registration</i>
09:00-10:30	Session 3.1: Describing Smart Cities
09:00	Integrated IoT Languages <i>Muzaffar Artikov, Johannes Meier, Andreas Winter (University of Oldenburg)</i>
09:30	Semantic Technologies for Smart Cities <i>Christian Schönberg (University of Oldenburg)</i>
10:00	ECOSense - Collection and analysis of cycling data <i>Christian Janssen (University of Oldenburg)</i>
10:15	Economic instruments for water management of Mongolia <i>Gerelchuluun Javzan (Water Service Regulatory Commission of Mongolia)</i>
10:30-11:00	<i>Coffee & Tea</i>
11:00-12:30	Session 3.2: Environmental Challenges
11:00	Air pollution study in Ulaanbaatar City <i>Amarsaikhan Damdinsuren (Mongolian Academy of Sciences)</i>
11:15	Environmental Biotechnology approaches <i>Munkhtsetseg Tsednee (Mongolian Academy of Sciences)</i>
11:30	Lead Removal from contaminated soil <i>D. Khasbaatar (National University of Mongolia)</i>
11:45	Composition and pyrolysis of plastic waste of Ulaanbaatar city <i>Dashkhagva Adiyasuren (National University of Mongolia)</i>
12:00	<i>Discussion on matching IoT Approaches</i>
12:30-14:00	<i>Lunch</i>
14:00-15:30	Session 3.3: Energy and Participation
14:00	Energy efficient Building Refurbishment in Mongolia Thorge Ketelhodt (GIZ)
14:15	Green area change study in Central Ulaanbaatar using very high resolution QuickBird images <i>Nyamjargal Erdenebaatar (Mongolian Academy of Sciences)</i>
14:30	Energetic neighbourhoods & inhouse energy management <i>Jörg Bremer (University of Oldenburg)</i>
15:00	Current conditions and simple solutions for a human-friendly mobility in



	Ulaanbaatar city <i>Amarjargal Nayanbaatar (City of Ulaanbaatar)</i>
15:15	Research on Public Electric Transport possibilities in Ulaanbaatar City <i>Sergelen Byambaa (Mongolian University of Sciences and Technology)</i>
15:45-16:15	<i>Coffee & Tea</i>
16:15-17:45	Session 3.4: Finalization
16:15	Presentation of Results and Discussion
17:30	Concluding Remarks
18:00	<i>Conference Closing</i>





Preliminary Programme (16.09.2019)

27-Sep-2019, Friday, Day 4

Field Trip I

Time	Activities
	Mobility

Destination 1: New International Airport



	Energy
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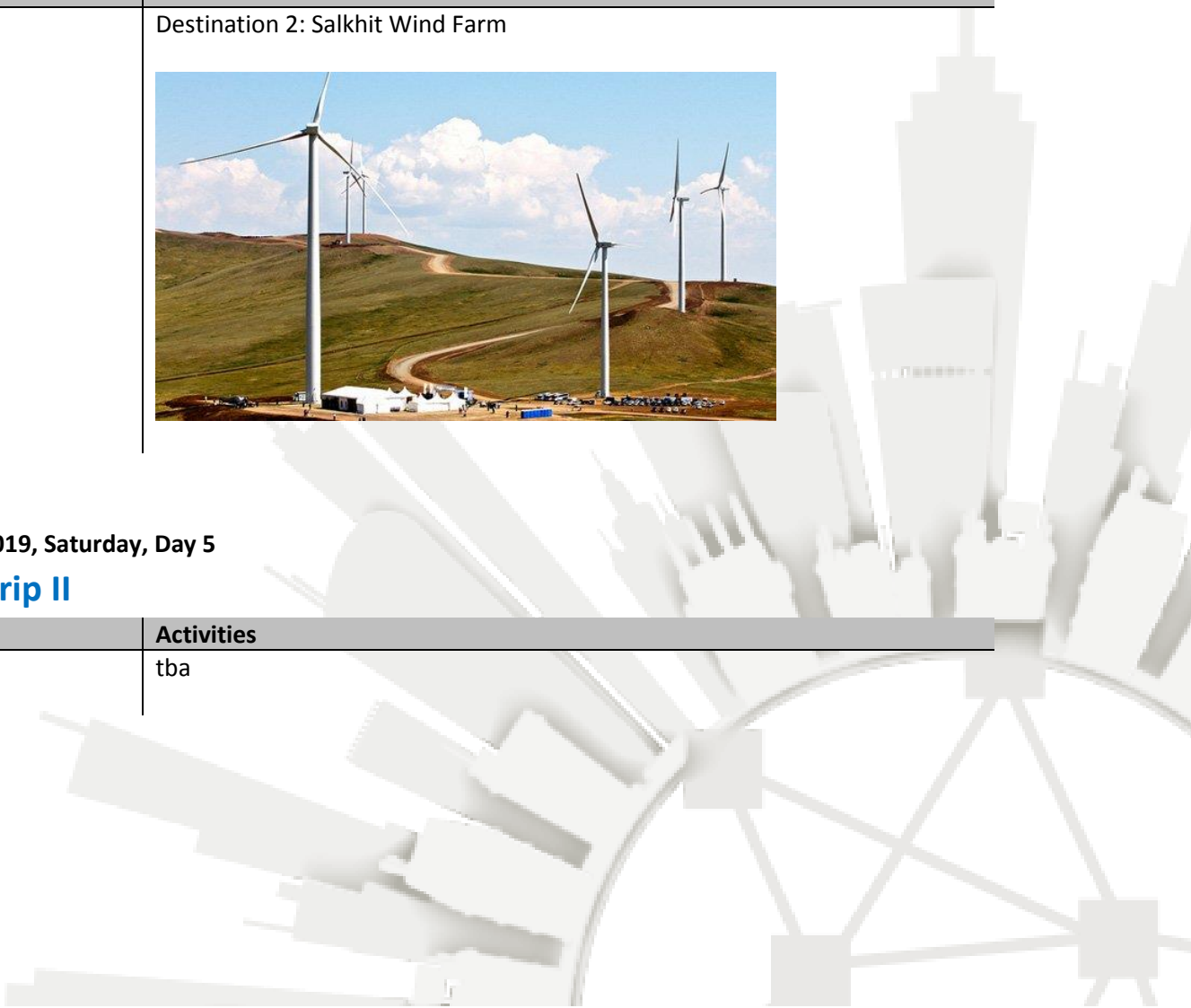
Destination 2: Salkhit Wind Farm

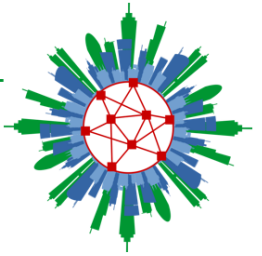


28-Sep-2019, Saturday, Day 5

Field Trip II

Time	Activities
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Preliminary Programme (16.09.2019)

Conference Venue

Puma Imperial Hotel

Imperial Hall, 2F

www.pumaimperialhotel.mn

