



第三届可持续发展大数据国际论坛

The 3rd International Forum on Big Data for Sustainable Development Goals

2023年9月6日-8日 中国 北京

Session title: Urban PEEEX

Session Organizer: INAR, University of Helsinki, Finland

Short Description

Urban development has been dominant societal change during the last few decades. Especially in East China urbanization has been quick and extensive. Multiple cities in East China are forming concept named Gigacity, urban region that expand over multiple cities from Beijing to Shanghai to Xi'an. Urban processes in this Gigacity region are discussed.

Objectives

To discuss most recent progress of urban research in East China and to discuss how joint research activities within Gigacity should be developed to achieve SDG goals.

Expected results

University of Helsinki, under PEEEX program, has been active in East China during the last decade. Most important Chinese collaborators have been invited and early-stage scientist are presenting latest results. Discussion about future direction of collaboration is discussed and roadmap formed.



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Agenda

Time 10:30-12:30 September 7th 2023 Room: 305 D

Moderators:



Joni Kujansuu

Research Coordinator

INAR, University of Helsinki, Finland



XIA Men

Post-doctoral researcher

INAR, University of Helsinki, Finland

Participants

Event 1 (120 minutes, 12+3min presentations)

Observations and modeling of gaseous nitrated phenols in urban Beijing: insights from seasonal comparison and budget analysis





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Post-doctoral researcher

INAR, University of Helsinki, Finland

Event 2 (10:45-11:00)

Chloramines as a prominent chlorine radical source in urban atmosphere



CHEN Yijing

School of Environment, Tsinghua University

Event 3 (11:00-11:15)

Mechanisms of the Generation of Aromatics-Derived Highly Oxygenated Organic Molecules and Their Ambient Observation



WANG Yuwei

Department of Environmental Science and Engineering, Fudan University

Event 4 (11:15-11:30)

Health risk assessment methods for exposure to PAHs



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HUA Chenjie

Beijing University of Chemical Technology

Event 5 (11:30-11:45)

Resolving atmospheric oxygenated organic molecules in urban Beijing using online ultra-high-resolution chemical ionization mass spectrometry



YUAN Yi

School of Environment, Tsinghua University

Event 6 (11:45-12:00)

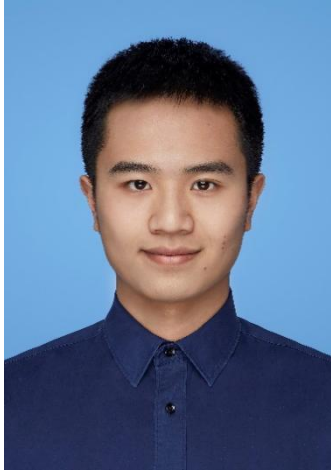
Detection and potential formation pathways of chlorinated organic compounds in suburban Shanghai



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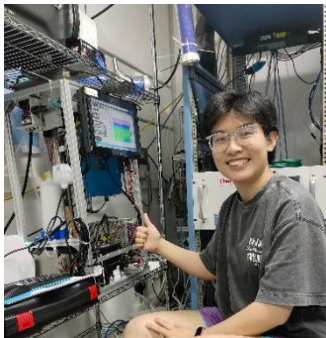


LI Chuang

Department of Environmental Science and Engineering, Fudan University

Event 7 (12:00-12:15)

A network of bipolar size spectrometers in China for measuring atmospheric particle number size distributions



LI Yiran

School of Environment, Tsinghua University

Event 8 (12:15-12:30)

Quantification and characterization of cluster ions in an urban environment



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YIN Rujing

Post-doctoral researcher

INAR, University of Helsinki, Finland