

# International Land Use Symposium 2023

[ilus2023.ioer.info](http://ilus2023.ioer.info)

4 – 6 October 2023

at CEPT University  
in Ahmedabad, India

**Urban Analytics  
for Transforming  
Cities and Regions:  
Tools, Methods and Applications**



Leibniz Institute of  
Ecological Urban and  
Regional Development

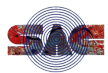
**CAG**

CENTER  
FOR APPLIED  
GEOMATICS

**CRDF**

CEPT RESEARCH  
AND DEVELOPMENT  
FOUNDATION

**CEPT  
UNIVERSITY**



## About ILUS

The biennial International Land Use Symposium brings together leading academics in the fields of GIScience and spatial planning. The objective of the interdisciplinary conference is to advance the understanding of built-up areas and to develop new ideas for sustainable urbanization. ILUS brings together leading academics and interested attendees for presentation, discussion, and collaborative networking in the fields of spatial sciences, environmental studies, geography, cartography, GIScience, urban planning, and architecture, which relate to investigations of settlements and infrastructure. The symposium is co-organized by Center for Applied Geomatics, CEPT Research and Development Foundation, CEPT University, Ahmedabad, India and Leibniz Institute of Ecological Urban and Regional development (IOER), Dresden, Germany along with SAC, ISRO.

## About CAG

The Center for Applied Geomatics (CAG) was established under CRDF in 2019. The Center emerged with a vision to leverage geospatial technologies combined with big data analytics to address challenges faced by our cities and built environments in this era of data science. CAG focuses on the application of geospatial technology in urban planning, urban infrastructure and natural resource management, geo-spatially enabled governance, Enterprise GIS, application in Smart Cities, and advanced applications of GIS and remote sensing in industry and research.

## About IOER

The Leibniz Institute of Ecological Urban and Regional Development (IOER) develops scientific principles, analytical tools and instruments for the sustainable development and transformation of regions, cities and neighbourhoods. To this end, it conducts cross-scale research into the interactions and feedbacks between the natural environment, people and technologies, as well as options for stewardship and planning.

## About SAC

The Space Applications Centre (SAC) is a major research and development centre of the Indian Space Research Organisation (ISRO).

SAC's mission is to develop and apply space technology for the benefit of society. SAC has a wide range of core competencies, which includes the design and development of space-borne and air-borne payloads, space technology for communication, navigation, and remote sensing, and conducting research in earth observation, space science and planetary exploration.

## Call for Abstract

- Abstracts of no more than 500 words should be submitted.
- Accepted abstracts will be presented as oral presentations and will be published in the digital conference proceedings. Selected post-conference full papers will be eligible for submission to thematic special issues of the journals Buildings and Cities and Journal of Geovisualization and Spatial Analysis.

## Themes

- **Urban dynamics:** Global perspectives on the structures and dynamics of cities, trajectories of cities towards sustainability, urban models for urban transformation, urban sprawl, densification, suburbanization, cities as complex systems, urban spatial networks and accessibility, and spatiotemporal big data.
- **Resilient urban and regional systems:** Urban planning and climate change adaptation, land policies, green and blue infrastructures, energy transition, renewable energies, energy efficiency, and socio-spatial inequalities, Urban weather and climate, Urban air quality/environment, Impact of urban pollution on health, Urban forestry, Urban flood.
- **Open data in planning and urban management:** Open data portals, geodata infrastructures, governmental open data initiatives, co-production of geodata, citizen science, participatory approaches, data literacy in urban planning.
- **Big Data Analytics and Land Use:** This topic contains contributions whose topical focus is related to use of big data, AI, Machine learning and modeling for Land use Science & urban ecosystem.

## Important Dates

Call for Abstracts:	2nd June, 2023
Abstract submission deadline:	<b>15th August, 2023</b>
Notification of acceptance:	31st August, 2023
Deadline for registration:	<b>31st August, 2023</b>

## Submission Guideline

- Accepted abstracts will be presented as oral presentations and published in the digital conference proceedings.
- We also want to emphasize the possibility of poster presentations across all thematic strands. Please select "Submission for Posters", if you prefer this option.
- An abstract is a standalone text, which concisely summarises the key points of the paper and positions them in the scientific discourse. It should not, for example, be a summary of the introduction or conclusion and should also not include abbreviations or references. It further must be anonymous for the peer review process.
- Any questions regarding the submission and publication process should be addressed to [ilus2023@mail.ioer.de](mailto:ilus2023@mail.ioer.de).

## Registration

You may register via the abstract submission link: <https://www.conftool.net/ilus2023/>

- **480€** (EUR) Registration fees\* for participants from institutions in **High-Income Countries** (HIC),
- **300€** (EUR) PhD-discount rate for registration fees\* for **participants from institutions in High-Income Countries** (HIC),
- **120€** (EUR) Registration fees\* for participants from institutions in **Low and Medium Income Countries** (LMIC) and
- **80€** (EUR) **PhD-discount rate** for registration fees\* for participants from institutions in **Low and Medium Income Countries** (LMIC).

\*Additional 18 % Goods and Services Tax (GST) as per Govt. of India norms, will be applicable for all the registrations.

To select the fee applying to you, please refer to the country classification of The World Bank.

The fees for the symposium apply to all participants and include presentations and keynotes, conference program, reception, lunches, coffees, and teas. Accommodation and travel expenses are not included.

**The deadline for registration is 31st August, 2023.**

## Contact

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## Keynote Speakers



**Nilesh M. Desai**  
Distinguished Scientist  
Director, Space Applications  
Centre (SAC/ISRO),  
Ahmedabad



**Dr Filip Biljecki**  
Singapore, Assistant  
Professor, head of NUS Urban  
Analytics Lab, National  
University of Singapore



**Prof. Erik Johnston**  
Arizona State University,  
Decision Theater,  
Convergence and facilitation



**Andreas von Dömming**  
Federal Agency for  
Cartography and Geodesy,  
Germany, head of  
Executive Unit Digital Twin



**Dr. Margaret M. Hinrichs**  
Associate Director of Decision Science,  
Knowledge Exchange for Resilience  
Decision Theater Convergence and  
Facilitation Lead, Arizona State  
University