

GIB Lecture Series: Geospatial Big Data and Societal Transformations

Modern data science are characterized by diverse sources and large volumes. While greatly influencing our life, it stimulates a huge number of novel and ethical geoscientific questions: How does spatiotemporal data analysis methods evolve and contribute to our understanding of the complex and non-Gaussian environmental and societal challenges? How do we integrate data from multiple sources? How do we efficiently represent possibly abstract spatiotemporal phenomena (e.g. migration) or objects (e.g. slum mapping) in a computational system?

The lecture series brings together research scientists in spatial statistics and machine learning, intelligent GIS systems, societal issues of human-technology-interactions, and future societal transformation.

Further information: www.geographie.uni-bayreuth.de/de/Veranstaltungen/GIB-Lecture-Series/index.html

This is an invitation to our lecture series to be held at the University of Bayreuth's Department of Geography (GIB) during the summer term 2022. The series is co-organized by the research groups *Geoinformatics* and *Social Geography* and is an exercise in transdisciplinary boundary work.

Dr. Simon Scheider
(Utrecht University)

Valid statistics with amounts in geographic information

Tuesday 03.05.2022 |
16:15 - 17:45 |
INF/ AI, H33

Dr. Xiang Ye
(Shenzhen University)

Linear regression, model specification errors, and the modifiable areal unit problem

Tuesday 10.05.2022 |
16:15 - 17:45 |
via ZOOM

Dr. Jiong Wang
(University of Twente)

Deriving information from space for urban environmental risk management

Tuesday 17.05.2022 |
16:15 - 17:45 |
INF/ AI, H33

Dr. Britta Ricker
(Utrecht University)

Cartography, Geo-AI, and the United Nations Sustainable Development Goals

Tuesday 24.05.2022 |
16:15 - 17:45 |
INF/ AI, H33

Dr. Fran Meissner
(University of Twente)

Geo-data ethics beyond the data: towards sustainable geodata ecosystems

Tuesday 31.05.2022 |
16:15 - 17:45 |
INF/ AI, H33