The Symposium on 2023
Spatiotemporal Data Science

1730 Cambridge Street, Cambridge MA 02138, Cambridge, MA

Welcome Speech

Phil Yang
Professor
George Mason University
NSF Spatiotemporal
Innovation Center

Keynote Speaker

Daniel Sui
Vice President for
Research and Innovation
Virginia Tech

Stepping into the Same River Twice: Whither Reproducibility and Replicability in Spatiotemporal Data Science?

Stefano M. Iacus
Director of Data Science and
Product Research
Harvard University

Forecasting Asylum-related Migration Flows with Machine Learning and Data at Scale

Shaowen Wang
Head of the Department of
Geography and GIS
UIUC

CyberGISX for Reproducible and Scalable Geospatial Data Science

Theme Panel

Challenges and Breakthroughs in R&R Spatiotemporal Data Science

Wendy Guan
Executive Director ,Center for Geographic Analysis
Harvard University

Recent Advancements of the Spatial Data Lab Project

Peter Kedron
Associate Professor
Arizona State University

Open Science Practices for Replicating And Extending Spatiotemporal Data Science Research

Joseph Holler
Assistant Professor
Middlebury College

Challenges and Breakthroughs in Replicable and Expandable Spatiotemporal Data Science

Zachary Durso
Account Manager
KNIME

KNIME Analytics Platform for Reproducible Data Science

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Featured Panel — GeoAI

Song Gao
Associate Professor
University of Wisconsin at Madison

Development of Reproducible GeoAI Models

Xiao Huang
Assistant Professor
Emory University

Siqin Wang
Associate Professor
University of South California

GeoAI in Human Geography

Filip Biljecki
Assistant Professor
National University of Singapore

GeoAI Applications in Urban Informatics

Di Zhu
Assistant Professor
University of Minnesota, Twin Cities

Sensing the overlapped nature of mobility network using GeoAI

Gengchen Mai
Assistant Professor
University of Georgia

On the Opportunities and Challenges of Foundation Models for Geospatial Artificial Intelligence

Featured Panel — GeoAI for Health

Moderator

Daniel Sui
Vice President for Research and Innovation
Virginia Tech

Mengxi Zhang
**Assistant Professor
Virginia Tech**

Panelists

Xun Shi
Professor,
Chair, Department of Geography
Dartmouth College

Kai Zhang
Associate Professor
University at Albany SUNY

Tao Hu
Assistant Professor
Oklahoma State University

Xiao Huang
Assistant Professor
Emory University