



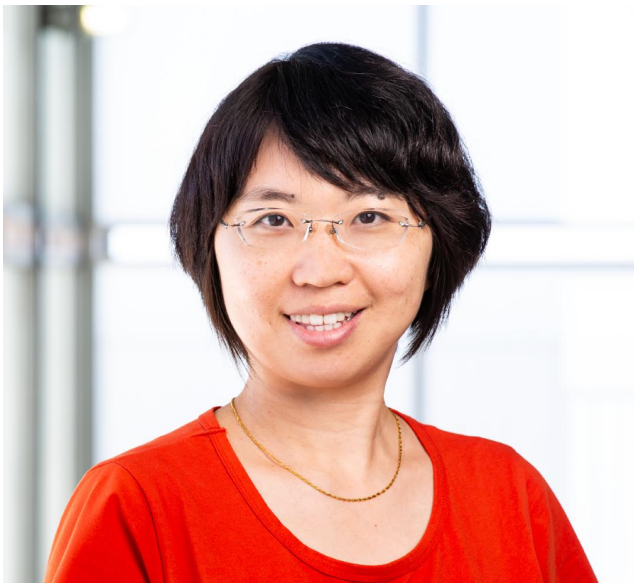
## NCEAS MONTHLY ROUNDTABLE

Thursday, Feb 6th, 2025, @ 3:30 pm

In Person on the 3rd Floor Lounge + [Zoom](#)

**Wenwen Li**, *Professor*

*Director, Spatial Analysis Research Center  
School of Geographical Sciences and Urban Planning  
Arizona State University*



### *GeoAI for Science and Society*

Professor Wenwen Li and her team's research highlights the transformation through the development of a cyber-knowledge infrastructure designed to convert vast amounts of Earth science data into insightful knowledge. Key innovations include PolarHub for large-scale discovery of distributed geospatial data, PolarGlobe for real-time climate data visualization, and GeoAI-powered analytics for mapping Earth's natural and built environments. This talk will cover Li's recent work on developing new GeoAI models for image analysis and vision tasks, as well as exploring large language models and vision-language models to support intelligent search and analytics of environmental big data.

**About the Speaker:** Dr. Wenwen Li is a Professor of GIScience in the School of Geographical Sciences and Urban Planning at Arizona State University, where she directs Spatial Analysis Research Center (SPARC) and the Cyberinfrastructure and Computational Intelligence (CICI) Lab. Her research interests include cyberinfrastructure, big data, geospatial artificial intelligence (GeoAI), and their applications in data- and computation-intensive environmental and social sciences. Leading her team, Dr. Li has developed several cyberinfrastructure projects to make geospatial data more accessible, interoperable, and reusable. Her research is supported by multiple funding agencies, including NSF, NASA, NIH, and Google.org, and has been recognized by NSF with the early CAREER Award (2015) and the Mid-Career Advancement Award (2021). Dr. Li is an elected Fellow of the American Association of Geographers (2023) and the University Consortium for Geographic Information Science (2023).

Questions, comments, or concerns?

Contact: [roundtable-org@nceas.ucsb.edu](mailto:roundtable-org@nceas.ucsb.edu)