Invited Talk

KEMAI Research Training Group GRK 3012/1

Liang Zhou,
National Institute of Health Data Science,
Beijing University

Uncertainty-aware health data visualization

Abstract. Uncertainty is important yet often oversimplified in health data analysis. In this talk, I will provide an overview of our research on health data visualization with a focus on the awareness of uncertainty for trustworthy decision-making. Specifically, we devise new visualization techniques for 2D and 3D ensembles, multivariate volume rendering with parallel coordinates, visual analysis methods for multi-outcome causal graphs, and situated visualizations for medical education and training in extended reality.

Speaker Bio. Liang Zhou is an assistant professor at the National Institute of Health Data Science, Beijing University. Prior to this, he was a postdoc researcher at VISUS, University of Stuttgart, and the SCI institute, University of Utah. He received his PhD degree in computing from the University of Utah. His research interests include scientific and information visualization, extended reality for medicine, and visual analytics for health science.

Time & Place.

Wednesday, November 11, 2026
10:00 – 11:00
Building N27, Room 2033

Host: Institute of Media Informatics,
Visual Computing Group

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