

## **Prof. May YUAN**

**Ashbel Smith Professor, School of Economic, Political, and Policy Sciences, University of Texas at Dallas, USA**

May's research interest is in temporal GIS, geographic representation, spatiotemporal information modeling, and applications of geographic information technologies to dynamic systems. Her research projects center on representation models, algorithms for spatiotemporal analysis, and understanding of dynamics in geographic phenomena, such as wildfires, rainstorms, air-pollution plumes, and behavior and activities in complex social systems. She explores multiple perspectives of dynamics, analyzes the drivers and outcomes of geographic dynamics, extracts spatiotemporal patterns and behavioral structures of dynamic systems, and draws insights into the system development and evolution to derive an integrated understanding, interpretation, and prediction of activities, events, and processes in dynamic geographic systems.

