**Peter K. Kang**

Assistant Professor

Gibson Chair of Hydrogeology

Department of Earth Sciences Email: pkkang@umn.edu

University of Minnesota – Twin Cities Phone: 612-624-5779

Professor Kang is a hydrogeologist and computational geoscientist whose research focuses on groundwater flow and subsurface contaminant transport. Kang joined the Department of Earth Sciences at the University of Minnesota-Twin Cities in August 2018, following a research scientist position at Korea Institute of Science & Technology (KIST) in South Korea. Prior to his research scientist position, Kang was a postdoctoral associate in the Earth Resources Laboratory (ERL) at MIT, received his Ph.D. in hydrology from MIT (2014), and obtained his BSc in Civil, Urban & Geosystem engineering at Seoul National University with *summa cum laude* (2008).

Kang has diverse and in-depth research experiences in groundwater related topics including subsurface contaminant transport, subsurface characterization, and aquifer storage and recovery. Kang and his research group combines theoretical, numerical and field methods to develop models that can predict flow and contaminant transport in subsurface. Kang made several major contributions in that area, developing new models and novel field experiments for subsurface contaminant characterization.

During his postdoc period at MIT ERL, Kang developed a predictive model for fluid flow and tracer transport through fractured media, and also collaborated with geophysicists to characterize fractured reservoirs. As a research scientist at KIST, Kang led a large-scale managed aquifer recharge project in a confined aquifer to secure sustainable water resources for a metropolitan city.

Kang is also passionate about teaching, mentoring and increasing public awareness in water resources related issues. Kang teaches general hydrogeology, field hydrogeology, fluid earth dynamics, and computational methods in Earth Science.

**Department of Earth Sciences, University of Minnesota - Twin Cities**

The University of Minnesota is a highly ranked public research university offering a wide range of undergraduate and graduate programs. Dr. Kang belongs to the Department of Earth Sciences in the College of Science and Engineering. The department includes about 25 full faculty members and it awards bachelors, masters, and doctorate level degrees in Earth Sciences and various sub-disciplines, including hydrogeology. A number of on-going research projects in the department focus on water resources issues in Minnesota.