

In Situ Imaging of Dynamics Subsurface Processes

14 – 16 April 2020 in Copenhagen

KEYNOTE SPEAKERS



Andrew Binley

Lancaster University

Andrew Binley is a professor at Lancaster University and has years of experience in the area of shallow subsurface characterization and modeling. He completed a PhD in modelling unsaturated flow in heterogeneous porous media. He then focused on tools for the estimation and reduction of uncertainty in hydrological models. This work led to the Generalized Likelihood Uncertainty Estimation (GLUE) methodology. His main research interests are in groundwater-surface water interaction, fusion of hydrological and geophysical data for improved hydrological characterization, inverse methods in geophysics, electrical spectroscopy of hydrogeological materials and plant-soil-water exchanges.

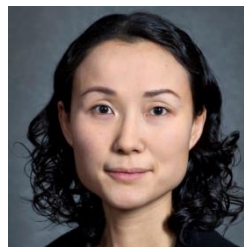


Pauline Kruiver

Deltares representative

Deltares is an independent Institute for applied research in the field of water and subsurface. Their focus is on deltas, coastal regions and river basins. Their motto is *Enabling Delta Life*. Due to the vulnerability and complexity of these regions, they often work closely together with governments, businesses, other research institutes and universities worldwide.

Pauline Kruiver is a geophysicist with a broad earth sciences interest. Her professional motivation is to establish connections between different fields of expertise to answer complex questions. Connections between geology, geotechnics and geophysics, always linked to measuring and monitoring of processes in the subsurface.



Haruko Wainwright

Berkeley Lab

Haruko Wainwright is currently a Research Scientist at Lawrence Berkeley National Laboratory. Her initial focus was on the environmental impact of nuclear waste and nuclear weapon productions. Later she focused on bayesian geostatistical inverse modeling. Her research aims to improve understanding and predictions in Earth and environmental systems through mechanistic modeling and statistical data analysis. She also has worked in a wide variety of environmental problems such as arctic ecosystem responses to climate change, groundwater contamination, and deep-subsurface CO₂ storage.



Jörg Lewandowski

Leibniz Institute of Freshwater Ecology and Inland Fisheries

Jörg Lewandowski is currently a Senior Scientist at the Leibniz Institute of Freshwater Ecology and Inland Fisheries in the group of groundwater - surfacewater interactions. He obtained his PhD studying the phosphorus-retention in limnic sediments as well as critical reactions therein. He has extensive knowledge in the development process of sampling equipment. His research focuses on hydrodynamic transport and biogeochemical turnover processes in various environments.



Li Li

Penn State University

Li Li is an Associate Professor at the Penn State University. Her research focuses on using physics-based simulations to understand mechanisms, which lead to the prediction of transport and fate of chemicals as they move through land and waterways. The Li Reactive Water Group has developed extensive modeling capabilities for dealing with multiprocess and multi-scale hydrologic models. Another central topic in Li's research is to understand the role that spatial heterogeneities play in solute reactive transport.

