Kaynotes details:

(Listed according to the alphabetic order of the last name)

Title: Remote Sensing and Predicting Earth's Water: Progress, Challenges and Opportunities

Prof. Yang Hong
Peking University
China

Abstract:

The global water cycle is driven by a multiplicity of complex processes and interactions between and within the Earth's atmosphere, lands, oceans, biosphere and human societies across space-time scales. Remote Sensing BIG DATA has enabled global hydrologic sciences to extend the range and scale of observations and to couple cross-disciplinary understanding for improved predictions and better societal benefits. This presentation briefly overviews the progresses, challenges, and opportunities of integrating multi-source (in-situ, remote sensing, analysis) data science techniques for global and regional water studies, with particular focus on global precipitation measurement, validation and applications.

Brief Biography of Professor Yang Hong:

Yang Hong received his Bachelor and Master degree from Peking University, and PhD of Hydrology and Remote Sensing from the University of Arizona. After years' research scientist at NASA Goddard, he has been an endowed Chair Professor and/or Adjunct Professor in several Universities. He has transdisciplinary research interests with synergy at the interface of remote sensing technology, water, weather, and climate, with 300+ journal articles (H-index 50+ and 12,000+ citation) in these areas.