

Session E2 Inland water dynamics

Time: 15:30-17:25, 7th September

Room: 305A

	ZHOU Xudong, Ningbo University, China
	PI Xuehui, Tongji University, China
Co-Chairs	CHEN Xidong, The University of Hongkong, HK SAR
	WANG Shenglei, The International Research Center of Big Data for Sustainable Development Goals, China
	Satellite-based remote sensing of soil moisture: from algorithms to applications
15:30-15:40	ZHAO Tianjie (Aerospace Information Research Institute, Chinese Academy of Sciences, China)
	Monitoring and attribution analysis of terrestrial water storage changes in the Loess Plateau based on GRACE satellites
15:40-15:50	HU Qingfeng (North China University of Water Resources and Electric Power, China)
	GNSS hydrology: Defining a new interdisciplinary integrating GNSS hydrogeodesy and remote sensing
15:50-16:00	WAN Wei (Peking University, China)
	AI and Cloud Computing-Driven Near-Real-Time Extraction of High-Resolution Surface Water
16:00-16:10	SONG Jia (The Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China)
	Integrating SWOT with multi-source satellite observations for near-daily reservoir water level monitoring
16:10-16:20	ZHAN Pengfei (Nanjing Institute of Geography & Limnology, Chinese Academy of Sciences, China)
	Big Geospatial Data-Enabled Quantitative Understanding of Regional Flood Regulation Processes
16:20-16:30	ZHENG Kaihao (Peking University, China)
	Changes in global fluvial sediment concentrations and fluxes between 1985 and 2020
16:30-16:40	SUN Xianghan (Eastern Institute of Technology, Ningbo, China)
	Remote Sensing Estimation of Nutrient Concentrations and Stocks in Shallow Lake Waters
16:40-16:50	XIONG Junfeng (Nanjing Institute of Geography & Limnology, Chinese Academy of Sciences, China)
	Investigating the Global Applicability of Satellite River Altimetry in Monitoring Flood Peak Timing
16:50-16:52	ZHOU Xudong (Ningbo University, China)

16:53-16:55	<p>Deciphering the Daily Spatiotemporal Dynamics and Mechanisms of Floods in The Taklimakan Desert</p> <p>TURSUN Arken (Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, China)</p>
16:56-16:58	<p>Climate Change Accelerates the Evolution of Reorganized River-Lake Systems on the Tibetan Plateau</p> <p>KUANG Xinya (The Hong Kong Polytechnic University, HK SAR)</p>
16:59-17:01	<p>Expansion of aquatic vegetation in northern lakes amplified methane emissions</p> <p>LIU Jinying (Sun Yat-sen University, China)</p>
17:02-17:04	<p>Integrated Analysis of Biogenic Element Cycling, Microbial Community Structure, and Functional Gene Expression in Effluent-Affected Aquatic Systems</p> <p>SHAO Bo (Tianjin University, China)</p>
17:05-17:07	<p>Evaluation of water-friendly cities based on SDGSAT-1 satellite data</p> <p>LI Xinyun (Aerospace Information Research Institute, Chinese Academy of Sciences, China)</p>
17:08-17:10	<p>From Temporary to Permanent: Understanding How Surface Water Affects Economic Growth</p> <p>ZHANG Yuejie (Capital Normal University, China)</p>
17:11-17:13	<p>Improved Water Quality Prediction with A Tabular Foundation Model</p> <p>LIU Xiaofeng (Michigan Institute for Data and AI in Society, University of Michigan, US)</p>
17:14-17:16	<p>Revealing four decades of water clarity dynamics in Beijing-Tianjin-Hebei, China using Landsat series data and semi-analytical model</p> <p>SOMASUNDARAM Deepakrishna (Aerospace Information Research Institute, Chinese Academy of Sciences, China)</p>
17:17-17:19	<p>Adjacency effect on Rayleigh scattering radiance for satellite remote sensing of river waters</p> <p>ZHAO Yaqi (Zhejiang University, China)</p>
17:20-17:22	<p>Drivers of Spatial-temporal Water Color Dynamics in Baiyangdian Lake: Insights from Landsat on Climate Change and Landscape Pattern</p> <p>ZHAO Yelong (The Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, China)</p>
17:23-17:25	<p>Shifting patterns of China's lake colour driven by climate change and land cover and implications for implementation of SDG6</p> <p>YING Huanchang (Aerospace Information Research Institute, Chinese Academy of Sciences, China)</p>
