RIVER LAB

Landsvirkjun

21 NOVEMBER 2026

TIME (IST)	SPEAKER
08:00–08:40	**Registration** *CSRE Foyer*
08:40–09:00	**Prof. Surya Durbha** CSRE, IIT Bombay
09:00–10:00	**Dr. Nathalie Voisin** Pacific Northwest National Lab (PNNL)
10:00–11:00	*Can Satellites Sense Human Impacts on Terrestrial Water Cycle?* **Dr. Shahryar K Ahmad** NASA
11:00–12:00	*Improving Hydrological Monitoring and Forecasting with Remote Sensing Observations* **Prof. Qiuhong Tang** Tsinghua University
12:00–13:00	*From Process-Based Models to AI Surrogates: Toward Intelligent River Modeling* **Dr. Venkatesh Budamala** Gwangju Institute of Science and Technology
13:00–14:30	**Lunch Break** *CSRE Foyer*
14:30–16:30	*Remote Sensing for regulated basins* Hands-on • Remote Sensing **Dr. Pritam Das** IIT Bombay **Dr. Hisham Eldardiry** Alexandria University
16:30–17:30	*Distinct hydrologic response patterns and trends worldwide revealed by physics-embedded learning* **Prof. Chaopeng Shen** Penn State

22 NOVEMBER 2026

TIME (IST)	SPEAKER
08:50–09:00	**Registration** *CSRE Foyer*
09:00–10:00	*NVIDIA's AI for Earth system modeling* **Dr. Negin Sobhani** NVIDIA
10:00–11:00	**Dr. Indu J** IIT Bombay
11:00–12:00	*Can AI Reason About Hydrology? Lessons from FUSE and SYMFLUENCE* **Dr. Darri Eythorsson** University of Calgary
12:00–13:00	*Can AI Reason About Hydrology? Lessons from FUSE and SYMFLUENCE* **Dr. Nishan Biswas** NASA
13:00–14:30	**Lunch Break** *CSRE Foyer*
14:30–16:30	*AI/ML for physics-based hydrological modeling* Hands-on • AI for Hydrology **Dr. Hordur B. Helgason** Landsvirkjun **Dr. Darri Eythorsson** University of Calgary
16:30–17:30	**Prof. Stefano Galelli** Cornell University
17:30–18:00	**Reflections by participants**