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- > State Key Laboratory of Hydrology-Water Resources and Hydraulic Engineering
- > Key Laboratory of Port, Waterway and Sedimentation Engineering of Ministry of Transport
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Prof. Slobodan P. Simonović Gives Academic Lecture at NHRI

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Engineering of MWR

- > Key Laboratory of Navigation Structure Construction Technology of Ministry of Transport
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- > International Joint Research Center of Water Science & Engineering
- > Research Center on Hydrology and Water Resources Engineering of MWR

>> Experiment Centers

- > Tiexinqiao Water Experiment Center
- > Chuzhou Water Experiment Center
- > Dangtu Water Experiment Center
- > River and Lake Research Center at Wuxi



On September 18, 2023, at the invitation of NHRI, Prof. Slobodan P. Simonović, fellow of the Royal Society of Canada and the Canadian Academy of Engineering gave an academic lecture of "Water Science Frontier Forum" at NHRI. Vice President WU Shiqiang attended the lecture and awarded him the appointment letter of NHRI Honorary Professor on behalf of NHRI. Ms. SUN Feng, Deputy Director of International Cooperation Office chaired the lecture, and the backbones of functional departments and research departments and graduate students of NHRI attended the lecture.

The title of the lecture given by Prof. Simonović was "Smart Water Resources Management-Personal Experience" based on the complexity and uncertainty of the global change and water management system. He talked about the connection of artificial intelligence, machine learning and artificial neural network technology with water management business applications like hydrological modeling, runoff forecast, hydropower generation, flood management and multi-function reservoir scheduling, and gave several cases about runoff forecast based on artificial neural network, expert system with comprehensive enlightenment knowledge and water resources management based on agent modeling. At the end, Prof. Simonović put forward some open scientific research questions of causality, mutual feed relationship and emergency response with audiences.

The content of this lecture was very rich and informative, which is conducive to researchers and students to better grasp the hot spots and difficulties of international frontier research.

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