

Program

9:00 Opening Remarks

Yasuyuki Shimizu, Specially Appointed Professor, Faculty of Engineering,
Hokkai Gakuen University

9:10–9:50

Professor Il Won Seo, Emeritus Professor and Principal Researcher, Seoul
National University

**"Development of Quasi-Three-Dimensional Particle Transport Model and
Its Application to the Riverine Lake"**

9:50–10:30

Dr. Jon Nelson, US Representative of the iRIC Group, CEO of River Mechanics,
Former Director of USGS Geomorphology and Sediment Transport Laboratory

**"An efficient river gaging methodology and flood early warning system
using computational flow models with bridge-mounted stage and surface
velocity sensors "**

10:30–10:45 Coffee Break

10:45–11:25

Dr. Siyoon Kwon, Seoul National University

**"Analysis of Suspended Sediment Transport Using High-Resolution
Hyperspectral Imagery in Rivers"**

11:25–12:05

Associate Professor Toshiki Iwasaki, Division of Field Engineering for the
Environment, Faculty of Engineering, Hokkaido University

**"Monitoring the floating materials in rivers: A case study of the
Shiribeshitoshibetsu River"**

12:05–13:10 Lunch Break

13:10-13:30

Dr. Atsuhiko Yorozyua, Senior Researcher, Public Works Research Institute
(PWRI)

"Towards the Integration of Numerical Computation and Measurement"

13:30–14:10

Dr. Kazutake Asahi, Director of iRIC-UC, CEO of RiverLink Co., Ltd.

"Personal Perspective: Exploring iRIC and Solving Problems"

14:10–14:30

Mr. Soichi Tanabe, Doctoral Student, Graduate School of Engineering,
Hokkaido University

"Morphological Response of Gravel Bed Rivers Near a Knickpoint: Effect of Bars on Dynamic Equilibrium River Profile"

14:30–14:40

Mr. Yuga Yamamoto, Graduate School of Engineering, Toyama Prefectural
University

"Study on the flow scale that governs the physical environment of the Joganji River "

14:40–14:50

Mr. Tomohiro Mizuno, Graduate School of Engineering, Toyama Prefectural
University

" Study on the channel morphodynamics in the steep-gradient, Sho River "

14:50–15:05

Mr. Shinnji Sasaki, Dokon Co., Ltd.

"Numerical Simulation of Bed Deformation Considering the Effects of Spur Dikes and Vegetation Growth Using iRIC-Nays2d+ (Application to the Satsunai River)"

15:05–15:20

Dr. Michihiro Hamaki, Kaihatsu Koei Co., Ltd.

"Simulation of Flow and Fish Behavior Including Check Dams and Fishways in the Toyohira River Using iRIC-GELATO"

15:20–15:30 Closing Remarks

Dr. Kazunori Okabe, President, Hokkaido River Foundation

Moderator:

Associate Professor Dr. Tomoko Kyuka, Toyama Prefectural University