



**Second Korea-Japan Mini-Symposium
on
Modeling and Measurement of Hydraulic Flows**

Presentation Material

**Department of Civil Engineering
Kobe University,**

March 18, 2010



Program

Second Korea-Japan Mini-Symposium on Modeling and Measurement of Hydraulic Flows

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Conference RoomA, Centennial Hall, Kobe University,

- 9 : 50–10 : 00 Opening
- 10 : 00–10 : 40 Prof. Sung-Uk Choi, Yonsei University
 Turbulence modeling of solute transport in vegetated open-channel flows.
- 10 : 50–11 : 10 Ryoichi Shibata and Akihiko Nakayama, Kobe University
 Large-eddy simulation of flow in a channel and in a stony-bed river
- 11 : 20–11 : 50 Prof. Kwonkyu , Yu, Dong-Eui University
 Measurement of suspended sediment velocities in sediment-laden flow
- 11 : 50–13 : 00 Lunch Break
- 13 : 00–13 : 30 Prof. John C. Wells, Ritsumeikan University
 Large Eddy Simulation of Ripple Initiation under a Steady Current
- 13 : 40–14 : 10 Prof. Joongcheol Paik, Kangnung National University
 3D Unsteady RANS simulation of gravity currents
- 14 : 20–15 : 20 Prof. Ichiro Kimura, Hokkaido University and Prof. Takashi Hosoda, Kyoto University
 Unsteady RANS calculation using nonlinear k-e model
- 15 : 20–15 : 50 Coffee Break
- 16 : 00–16 : 30 Prof. Seung Oh Lee, Hongik University
 Mechanics of local scour below low-head structures
- 16 : 40–17 : 10 Prof. Ichiro Fujita, Kobe University
 Calculation of flow in Togagawa River during 2008 flood
- 17 : 20–17 : 50 Kenta Ikenaga, Kobe University
 Calculation of turbulent free-surface flow by a particle method