



# TOKYO

# JAPAN

2018

## 21 AUGUST

## 14:00-17:45

### 12<sup>th</sup> International Symposium on Ecohydraulics (ISE2018)

### SPECIAL SESSION 32

## River Restoration Methodology contributing to the Formation of Ecological Network

### Venue

Nihon University  
College of Science  
and Technology,  
Surugadai Campus  
**Building No. 1**  
**Room 151**

Concurrently "15<sup>th</sup> ARRN's International Forum on Waterfront  
and Watershed Restoration"

### Registration

Participants are  
required to register  
ISE2018.

<http://ise2018.com/>

### Organizer

**Ecology and Civil Engineering Society (ECES)**  
**Asian River Restoration Network (ARRN)**

### Organizing Team

- **Kenji Kanao** (Chairperson of ARRN/ President of Japan Water Agency, Japan)
- **Junjiro Negishi** (International Exchange Committee, Ecology and Civil Engineering Society / Hokkaido University, Japan)
- **Nobuyuki Tsuchiya** (Secretary General of ARRN/ Japan Riverfront Research Center, Japan)



12th International  
Symposium on Ecohydraulics



Aug19~Aug24,2018,Tokyo,JAPAN

# Program

Tuesday, 21 August

Chair Prof. Junjiro Negishi (Hokkaido Univ.,Japan)

Co-chair Prof. Suk Hwan Jang (Daejin Univ.,Korea)

**14:00 Opening Remarks**

- Kenji Kanao (ARRN Chairperson, President of Japan Water Agency)
- Junjiro Negishi (ECES, Hokkaido Univ.)
- Masakazu Mitsunari (Director of River Environment Division, MLIT)

**Part 1: Assessing habitat of aquatic fauna under human pressure**

**14:10 S2-5-1** Individual-based Modelling of Fish Habitats in the River Downstream under Flow Regulation, Rui Han

**14:25 S2-5-2** Analysis of the Interactive Relationship between Meandering River Hydraulic Characteristics and Habitat Suitability, Jing Zhang

**14:40 S2-5-3** Research on the transport and Dispersion of Asian Carp Eggs in the "Man-Made Flood Pulse" in the Middle Yangtze River By Reynolds-Averaged Numerical Simulation, Qihong Yang

**14:55 S2-5-4** Evaluating the Availability of Running Water Areas and Riverbanks with a Novel Flowchart, Mai Tsuruta

**15:10 S2-5-5** The Ecological Importance of Watercourse Networks in Human-Altered Floodplain Systems, Nobuo Ishiyama

**15:25 S2-5-6** Aquatic Food-Web Structure in Floodplain Waterbodies in Relation to Nutrient Pollution, Ecosystem Size, and Invasive Species, Junjiro Negishi

**15:40 Coffee Break**

**Part 2: Restoration and conservation strategies and efforts**

**16:00 S2-6-1** Two Notable Cases of River Restoration in Taichung City: Liuchuan River and Shishuike River, Ting-Chang Chou

**16:15 S2-6-2** Habitat Evaluation of *Plecoglossus altivelis* Using Environmental DNA Analysis after Dam Removal in the Kuma River, Tomoko Minagawa

**16:30 S2-6-3** Function of Artificially Restored Flood Plain as Fish Spawning Habitat, Ken Kozaki

**16:45 S2-6-4** Ecological Restoration of Urban Flood Channel: Balancing Flood Control and Ecosystem Conservation, Yao Wang

**17:00 S2-6-5** Reasonability of Cyclic Floodplain Rejuvenation for Strategic Biodiversity Conservation in Japanese Lowland Rivers, Shigeya Nagayama

**17:15 S2-6-6** A Contract to Involve NGO Groups and Local People in the Engineering Design Procedures for Fazih River Restoration in Taichung, Taiwan, Shaohua Marko Hsu

**17:30 S2-6-7** Vision and Strategy for the Integrated Water Resources Management in Han-River Basin, Suk Hwan Jang

**17:45 Closing Remarks**

Secretariat / **Japan River Restoration Network (JRRN)**

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