



## Technical Sessions (Wednesday Afternoon, September 19)

### Wednesday Afternoon (September 19) 13:10 - 15:10

#### Ocean Hydro Machinery 2 (RY306)

Chairs: Dr. Ryunosuke Kawashima (EIM Electric Co., Ltd., Japan), Dr. Nak-Joong Lee (Waseda University, Japan)

[IAHR2018-275](#) “Reduction of Aerodynamic Noise radiated from Wells Turbine”, Yuji Tujimoto (Oita University, Japan), Masato Shibata (Oita University, Japan), Shintaro Kouno (Oita University, Japan), Hiromitsu Hamakawa (Oita University, Japan), Hidechito Hayashi (Nagasaki University, Japan), Eru Kurihara (Oita University, Japan)

[IAHR2018-310](#) “Performance of Fluidic Diode for a Twin Unidirectional Impulse Turbine”, Shinya Okuhara (National Institute of Technology, Matsue College, Japan), Masato Itoga (The Chugoku Electric Power Co., Inc., Japan), Ashrafal Alam (National Institute of Technology, Matsue College, Japan), Manabu Takao (National Institute of Technology, Matsue College, Japan), Yoichi Kinoue (Saga University, Japan)

[IAHR2018-285](#) “Numerical Study of a Sinusoidal Transverse Propeller”, Guillaume Fasse (Arts et Metiers PARISTECH, France), Annie-claude Bayeul-laine (Arts et Metiers PARISTECH, France), Olivier Coutier-delgosha (Virginia Tech, United States), Arnaud Curutchet (ADV TECH, France), Benoit Paillard (ADV TECH, France), Frederic Hauville (Ecole Navale, France)

[IAHR2018-303](#) “A Pump System with Wave Powered Impulse Turbine”, Yoichi Kinoue (Saga University, Japan), Norimasa Shiomi (Saga University, Japan), Masaki Sakaguchi (Saga University, Japan), Hideaki Maeda (Torishima Pump Mfg. Co., Ltd., Japan), M. M. A. Alam (National Institute of Technology, Japan), Shinya Okuhara (National Institute of Technology, Japan), Manabu Takao (National Institute of Technology, Japan)

[IAHR2018-304](#) “Effect of Hub-to-Tip Ratio on the Performance of Bi-Directional Impulse Turbine with Flow Collector for Tidal Energy Conversion”, Yoichi Kinoue (Saga University, Japan), Norimasa Shiomi (Saga University, Japan), Manabu Takao (National Institute of Technology, Japan), Tengen Murakami (Saga University, Japan), Yasutaka Imai (Saga University, Japan), Shuichi Nagata (Saga University, Japan)

[IAHR2018-462](#) “A review on tidal power utilization and operation optimization”, Zhijing Wang (Tsinghua University, China), Zhengwei Wang (Tsinghua University, China)