



Technical Sessions (Wednesday Evening, September 19)

Wednesday Evening (September 19) 15:30 - 17:10

Ocean Hydro Machinery 3 (RY306)

Chairs: Dr. Ashraful Alam (National Institute of Technology, Matsue College, Japan), Prof. Yoichi Kinoue (Saga University, Japan)

[IAHR2018-276](#) **“A Straight-bladed Vertical Axis Turbine for Wave Energy Conversion: Effect of Guide Vane Position on the Performance”**, Masaki Sakaguchi (Saga University, Japan), Yasutaka Hayamizu (National Institute of Technology, Yonago College, Japan), Takeshi Gonda (National Institute of Technology, Yonago College, Japan), Shinichi Morita (National Institute of Technology, Yonago College, Japan), Shigeru Ootsuka (National Institute of Technology, Yonago College, Japan), Manabu Takao (National Institute of Technology, Matsue College, Japan), Yoichi Kinoue (Saga University, Japan), Toshiaki Setoguchi (Saga University, Japan)

[IAHR2018-375](#) **“Development of Ocean Current Marine Turbine”**, Shinkichi Tanigaki (Mitsubishi Heavy Industries, Ltd., Japan), Hiroyuki Ishida (Mitsubishi Heavy Industries, Ltd., Japan), Sadato Sugiyama (Mitsubishi Heavy Industries, Ltd., Japan), Shin Asano (Mitsubishi Heavy Industries, Ltd., Japan), Nobuyasu Sakata (Mitsubishi Heavy Industries, Ltd., Japan)

[IAHR2018-397](#) **“A Numerical Study on Performance Improvement of Counter-Rotating Type Tidal Stream Power Unit”**, Hoyun Jung (Institute of Ocean Energy, Saga University, Japan), Toshiaki Kanemoto (Institute of Ocean Energy, Saga University, Japan), Pin Liu (Institute of Ocean Energy, Saga University, Japan), Tengen Murakami (Institute of Ocean Energy, Saga University, Japan)

[IAHR2018-415](#) **“Development and performance evaluation of stall delay bi-directional air turbine with additional blades”**, Mitsumasa Iino (Ashikaga Institute of Technology, Japan), Jun Nakamura (FUJI ELECTRIC CO., LTD., Japan), Masamichi Iwasaki (FUJI ELECTRIC CO., LTD., Japan), Takeaki Miyazaki (The University of Tokyo, Japan), Makoto Iida (The University of Tokyo, Japan)

[IAHR2018-287](#) **“Multipole Optimization of Turbine Arrays in Tidal Flows”**, Christian Schmitz (TU Darmstadt, Germany), David Kramer (TU Darmstadt, Germany), Peter F. Pelz (TU Darmstadt, Germany)