



Technical Sessions (Tuesday Afternoon, September 18)

Tuesday Afternoon (September 18) 13:30 - 15:30

Cavitation and Multiphase Flow 4 (RY305)

Chairs: Prof. Yuka Iga (Tohoku University, Japan), Dr. Young-Seok Choi (Korea Institute of Industrial Technology, Korea)

[IAHR2018-355](#) “Experimental study on the effect of bubble cluster shape on cavitation in water hydraulic valve”, Haihang Wang (Harbin Engineering University, China), He Xu (Harbin Engineering University, China), Vishwanath Pooneeth (Harbin Engineering University, Mauritius), Liye Jiao (Harbin Engineering University, China), Mingyu Hu (Harbin Engineering University, China)

[IAHR2018-361](#) “Characterization of bubble cloud quality and evolution using optical probes”, Julien Bouvard (Polytechnique Montreal, Canada), Cedric Beguin (Polytechnique Montreal, Canada), Stephane Etienne (Polytechnique Montreal, Canada), David Scott (GE Renewable Energy, Canada), Laurent Bornard (GE Renewable Energy, Canada)

[IAHR2018-016](#) “Experimental and Computational Capture of High Frequency Oscillation Induced by Inception Cavitation in Submerged Shear Layer”, Yuchuan Wang (Northwest A & F University, China), Lei Tan (Tsinghua University, China), Xinyang Liu (North China University of Water Resources and Electric Power, China), Diyi Chen (Northwest A & F University, China)

[IAHR2018-331](#) “Numerical simulation of unsteady cloud cavitation: a comparative study of compressible mixture models”, Guoyi Peng (Nihon University, Japan), Macoto Mori (Nihon University, Japan), Tatsumi Tazaki (Graduate school of Engineering, Nihon University, Japan), Yausuyuki Oguma (College of Engineering, Nihon University, Japan)

[IAHR2018-173](#) “Cavitation CFD Analyses Considering the Pressure Wave Propagation within the Piping Systems”, Motohiko Nohmi (EBARA Corporation, Japan), Shusaku Kagawa (EBARA Corporation, Japan), Byungjin An (EBARA Corporation, Japan), Tomoki Tsuneda (EBARA Corporation, Japan), Donghyuk Kang (Saitama University, Japan), Kazuhiko Yokota (Aoyama Gakuin University, Japan)

[IAHR2018-225](#) “ASSESSMENT OF CAVITATION REGIME IN DIVERGENT ROTATING FLOWS”, Florentina Bunea (National Institute for Research and Development in Electrical Engineering ICPE-CA, Romania), Gabriel Ciocan (Laval University, Canada), Adrian Nedelcu (National Institute for Research and Development in Electrical Engineering ICPE-CA, Romania)