



## Technical Sessions (Wednesday Morning, September 19)

### Wednesday Morning (September 19) 10:10 - 12:10

#### Computational and Experimental Technique 1 (RY303)

Chairs: Mr. Takashi Kumashiro (Hitachi Mitsubishi Hydro Corporation, Japan), Prof. Jun Matsui (Yokohama National University, Japan)

[IAHR2018-017](#) “Reducing Computational Effort Of High Head Francis Turbines”, Ken-Robert G. Jakobsen (EDRMedeso AS, Norway), Erik Tengs (EDRMedeso AS/Norwegian University of Science and Technology, Norway), Martin Aa. Holst (EDRMedeso AS, Norway)

[IAHR2018-046](#) “Numerical Investigation of Tip Leakage Vortex Cavitation”, Ali Maghooli (University of Tehran, Iran), Mehrdad Raisee (University of Tehran, Iran), Seyed Ahmad Nourbakhsh (University of Tehran, Iran)

[IAHR2018-100](#) “Correlation Between Numerical Simulations and Measurements to Assess Uncertainties: A Case Study on a Hydroelectric Runner”, Martin Gagnon (Institut de recherche d'Hydro-Québec, Canada), Ariane Immarigeon (Hydro-Quebec, Canada), Jonathan Nicolle (Institut de recherche d'Hydro-Québec, Canada), Jean-Francois Morissette (Institut de recherche d'Hydro-Québec, Canada)

[IAHR2018-093](#) “A benchmark test case for swirling flows: design of the swirl apparatus, experimental data, and numerical challenges”, Romeo F. Susan-Resiga (Politehnica University Timisoara, Romania), Constantin Popescu (Politehnica University Timisoara, Romania), Raul Szakal (Politehnica University Timisoara, Romania), Sebastian Muntean (Romanian Academy - Timisoara Branch, Romania), Adrian Stuparu (Politehnica University Timisoara, Romania)