



Technical Sessions (Thursday Morning, September 20)

Thursday Morning (September 20) 10:10 - 12:10

Hydraulic / Mechanical and Fluid / Solid Interactions 1 (RY203)

Chairs: Prof. Hironori Horiguchi (Osaka University, Japan), Prof. Michel J. Cervantes (Luleå University of Technology, Sweden)

[IAHR2018-037](#) “Dynamic response of a NACA0009 hydrofoil under cavitation conditions”, Wei Wang (China Agricultural University, China), Lingjiu Zhou (China Agricultural University, China), Zhengwei Wang (Tsinghua University, China), Xavier Escaler (Universitat Politècnica de Catalunya-Barcelona Tech, Spain), Oscar De La Torre (University of Bristol, United Kingdom), Wenzhe Kang (China Agricultural University, China)

[IAHR2018-221](#) “An Experimental Investigation of the Hydrodynamic Damping of Vibrating Hydrofoils”, Carl W Bergan (Norwegian University of Science and Technology, Norway), Erik O Tengs (EDR&Medeso AS, Norway), Bjorn W Solemslie (Norwegian University of Science and Technology, Norway), Ole Gunnar Dahlhaug (Norwegian University of Science and Technology, Norway)

[IAHR2018-033](#) “Numerical Simulation of the Hydrodynamic Damping of a Vibrating Hydrofoil”, Erik Tengs (Norwegian University of Science and Technology, Norway), Carl Bergan (Norwegian University of Science and Technology, Norway), Pal-Tore Storli (Norwegian University of Science and Technology, Norway), Martin Holst (EDR Medeso, Norway), Ken-Robert Jakobsen (EDR Medeso, Norway)

[IAHR2018-078](#) “Prediction of vibration amplitudes on hydraulic profiles under von Karman vortex excitation”, Bernd Nennemann (Andritz Hydro Canada Inc., Canada), Christine Monette (Andritz Hydro Canada Inc., Canada)

[IAHR2018-148](#) “PIV measurements and CFD simulations of a hydrofoil at lock-in”, Kristian F Sagmo (Norwegian University of Science and Technology, Norway), Erik O Tengs (EDR&Medeso AS, Norway), Carl W Bergan (Norwegian University of Science and Technology, Norway), Pal-Tore Storli (Norwegian University of Science and Technology, Norway)