

Call For Papers

9th International Symposium on FLUID-STRUCTURE INTERACTIONS, FLOW-SOUND INTERACTIONS, & FLOW-INDUCED VIBRATION & NOISE

(FSI2 & FIV+N 2018)

July 8-11, 2018

Toronto, Canada

This FSI2 & FIV+N symposium will be held at Ryerson University in Toronto, Canada. This series of symposia have been held since 1980. This symposium is a sequel to the very successful symposia most recently in New Orleans 2002, Vancouver 2006, Montreal 2010 and Anaheim in 2014.

Papers in the general areas of fluid-structure and flow-sound interactions, flow-induced vibrations and noise, and unsteady fluid dynamics related to FSI are invited. Theoretical, experimental and computational papers are equally welcome. Conference Proceedings will be published in electronic format.

Specific topics include:

- Bluff-body/near wake interactions
- Fluidelastic instabilities of cylinder arrays
- Flow-induced vibration of structural components (in heat exchangers, offshore applications, nuclear reactors, piping, etc.)
- Hydroelastic problems in naval vehicles and offshore structures
- Dynamics of submerged elastic/viscoelastic structures
- Biomechanical FSI
- CFD techniques in FSI/FIV
- Flow-sound and fluid-structure-acoustical interactions
- Control of FIV and noise
- Nonlinear and chaotic, deterministic and stochastic aspects of FIV and noise
- Turbulence-, vortex- and wave-induced vibrations
- Flow-visualization studies
- Annular and leakage flow instabilities
- FSI and FIV involving multi-phase flows
- Application of smart materials and structures to FSI/FIV+N problems
- FSI involving micro- and nanosystems

Authors are invited to submit a 200-word abstract on the conference website, currently online at <https://www.fiv2018.com/>, which will be accepting submissions in November 2017.

Key dates:

Abstracts due: December 1, 2017

Authors notified of acceptance: January 1, 2018

Draft papers due: March 1, 2018

Final papers due: April 1, 2018

International Scientific Committee:

- Jose Antunes, Portugal
- Gustavo Assi, Brazil
- Stefan Belfroid, Netherlands
- Laszlo Baranyi, Hungary
- Roberto Camussi, Italy
- Alis Ekmekci, Canada
- Katsuhisa Fujita, Japan
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- Craig Meskell, Ireland
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- David Sumner, Canada
- David Weaver, Canada
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