

Focus Sessions in Hydrodynamics on
Flow-Induced Vibrations: FIV and VIV
First CALL FOR PAPERS

Flow-Induced Vibration (FIV) and Vortex-Induced Vibration (VIV) have been very important issues in real-life engineering design of factory towers and tall buildings in wind, aircraft wing, and more. In offshore, ocean and marine environment, designers as well as operators of floating or fixed structures of slender and bluff bodies which face similar issues such as:

Riser Dynamics: Single and Multiple Cylinders
Free-spanning Pipelines and Steel-lazy-wave risers
Riser VIV Coupling with Motion of Floating Structure
Cables and Umbilical Dynamics
Vibration: Floating Structures, Wind Turbine Structures, Rotating Cylinder, Cylinder with Attachments
Wall Interferences, Free-surface Influence and End Effect.
Efficient and Reliable Numerical and Experimental Methods for FIV and VIV
Flow-Induced Motions (FIM) of Offshore Floating Bodies
Vortex-Induced Motions (VIM) and Galloping
Vortex-Induced Vibration (VIV) on Slender and Bluff Bodies
Vortex-Shedding Suppression Methods and Efficiency
Transverse and Torsional Galloping (e.g., Riser Tower)
Torsional Moment and Pipe Torsion, Torsional Vibration
Vortex Shedding and Fluid Properties

Welcome to the sessions to present your own findings, and discuss with colleagues from academia, industry from around the world. All together we learn more about slender and bluff-body flow-induced vibrations negative and positive consequences on the structures. The culture of the focus sessions is to vigorously discuss all presentations and thus promote the scientific exchange as part of the Annual ISOPE conference with more than 1,000 participants each year: <http://www.isope.org/index.php/conferences-symposia-and-workshops/>.

ISOPE and the Focus Session Organizing Committee invite colleagues to join the focus sessions on *Flow-Induced Vibration (FIV) and Vortex-Induced Vibration (VIV)* in Honolulu, Hawaii, USA.

Special ISOPE room rate starts from \$199 and up.

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| Key Dates | Abstract Submission November 10, 2018 | Manuscript for Review January 15, 2019 | Final Manuscript due March 24, 2019 |
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Submit online <http://www.isope.org/index.php/online-submission/>

General topic: **Hydrodynamics**; Specific Topics, Primary: **61. Vortex & Vibration**

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