



**The 11th (2019) ISOPE
Sloshing and LNG Ship Dynamics Symposium**

First

CALL FOR PAPERS

Liquid sloshing, physics of liquid impacts, and structural response are key aspects in many engineering disciplines like aerospace, automotive, liquid storage and transport, shipbuilding, and coastal engineering. Starting from sloshing in LNG tanks, this symposium has evolved to the most successful international platform to present and discuss findings related to sloshing liquids and their impacts in all fields of engineering. The disentanglement of physics in liquid impacts is a key theme in this symposium along with the structural response as well as designs for sloshing mitigation.

Come to the Sloshing Symposium to present your own findings, discuss with colleagues from academia, industry, and classification societies from around the world, and all together we learn more about the physics of sloshing liquids. The culture of the Sloshing Symposium is to vigorously discuss all presentations and thus promote the scientific exchange as part of the ISOPE conference with more than 1000 participants each year.

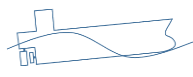
ISOPE and the Symposium Organizing Committee invite colleagues who are engaged or interested in liquid sloshing and related fields to join this 11th ISOPE Sloshing Symposium in Honolulu, Hawaii, USA.

Special ISOPE room rate starts from \$199+ per/night at Hilton Hawaiian Village

Suggested Topics



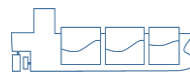
Tanker Trucks



Slamming



LNG Sloshing



Coupled Liquid Motion



Aerospace



Coastal Engineering

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| <ul style="list-style-type: none"> • Sloshing mitigation • Design practices and guidelines for sloshing • Sloshing in aerospace and automotive applications • Granular Cargo: Slushing-type movement • Cargo containment systems and ship design – operational experience and lessons-learned • LNG shipping, LNG as Fuel, small-scale LNG • Floating LNG transfer • LNG storage: land-based and floating applications • Hydrogen storage and transport | <ul style="list-style-type: none"> • CFD and sloshing simulations • Sloshing experiments • Sloshing assessment procedures • Modeling of impacts pressures • Physics of liquid impacts and scaling • Instrumentation especially at cryogenic conditions • Structural strength, response, safety, and risk • Cryogenic technology • Fluid-Structure Interaction • Coupled sloshing and vessel motion |
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Key Dates

Abstract Submission
October 20, 2018

Manuscript for Review
January 15, 2019

Final Manuscript due
March 24, 2019

Submit online <http://www.isopec.org/index.php/online-submission/>

General topic: **Hydrodynamics**; Specific Topics, Primary: **Sloshing and LNG ship**

Symposium Organizing Committee (arranged by last name)

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| <ul style="list-style-type: none"> • Prof. André Baeten, Augsburg University of Science & Technology, Germany, andre.baeten@hs-augsburg.de • Mr. Laurent Brosset, GTT, France, lbrosset@gtt.fr • Dr. Yusong Cao, C-Z Marine Technology, USA, yusong.cao@czmarine.com • Prof. Jin S. Chung, ISOPE, USA jschung@isope.org • Prof. Yooil Kim, Inha University, Korea, yooilkim@inha.ac.kr • Dr. Chang S Kwon, Samsung Heavy Industries, Korea, cs81.kwon@samsung.com | <ul style="list-style-type: none"> • Dr. Chong Ma, NMRI, Tokyo, Japan; ma-chong@nmri.go.jp • Dr. Jens Neugebauer, University of Duisburg-Essen, Germany, jens.neugebauer@uni-due.de • Dr. Sebastian Schreier, TU Delft, The Netherlands, s.schreier@tudelft.nl • Prof. Decheng Wan, Shanghai Jiao Tong University, China, dcwan@sjtu.edu.cn |
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