

ISOPE-2017 San Francisco

The 27th Annual International Ocean and Polar Engineering Conference
San Francisco, California, June 25-30, 2017

1st ISOPE Cryogenic Materials Symposium

Final CALL FOR PAPERS

The first symposium on Cryogenic Materials will be held at the annual ISOPE 2017, San Francisco, California. To meet the increasing worldwide demand for natural gas, there is a need to safely and economically develop resources in more remote and challenging locations. LNG (Liquefied Natural Gas) can be an economical way to monetize such resources. Multiple new LNG projects are expected to start/develop within oil/gas industry over the next few decades. Such LNG projects are capital-intensive and are associated with significant material and fabrication (welding) costs. There is an opportunity to develop new material technology or further optimize current technologies to reduce capital costs and/or simplify designs. Some of the materials performance factors in LNG environments include low temperature toughness, strength, CTE (coefficient of thermal expansion), weldability. Thus, a special symposium is being organized to provide the scientific-industrial community an insight of new materials and fabrication technology development in the subject of "Cryogenic Materials". Scope of this symposium includes all low temperature applications – for e.g., LNG storage, pipes, low temperature section of gas treatment facilities, LNG transportation (shipping), or any non-LNG type cryogenic applications etc.

Special ISOPE room rate at 5-star hotel starts from \$169 /night

Suggested Topics

- Materials development (steels, composites, etc)
- 9%Ni, and 7% Ni steels
- Cryogenic high Mn steels
- Austenitic stainless steels
- Invar alloys
- Al alloys
- Welding consumables
- Welding technologies
- Design of cryogenic/cold service structures
- Safety and risks analysis
- Failure mechanisms
- Testing and evaluation methods
- Computational modeling and simulation
- Codes and standards development
- Inspection & Monitoring
- Environment, safety regulations

Symposium Organizing Committee

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Key Dates:

Abstract submission:

November 10, 2016

Manuscript for review:

January 15, 2017

Final reviewed paper:

March 24, 2017



Interested authors should send abstracts to one of the organizing committee members or submit online at <http://www.isope.org/call4papers/2017/HowToSubmitAbstractOnline.htm>. The abstracts must include the contact author's postal address, e-mail address, phone and fax numbers.

