



# 2014 ARCTIC TECHNOLOGY CONFERENCE

10-12 February 2014 • George R. Brown Convention Center • Houston

*The E&P Industry Event for Arctic Science and Solutions*

**CALL FOR PAPERS PROPOSALS • Deadline for submission is 13 June 2013**

## Sponsoring Organisations



American Association of Petroleum Geologists

**AICHE**

American Institute of Chemical Engineers



American Institute of Mining, Metallurgical,  
and Petroleum Engineers

**ASCE**

American Society of Civil Engineers

American Society of Civil Engineers



ASME International Petroleum Technology  
Institute

**IEEE**



Institute of Electrical and Electronics Engineers  
— Oceanic Engineering Society



Marine Technology Society



Society of Exploration Geophysicists

**SME**

Society for Mining, Metallurgy  
& Exploration

Society for Mining, Metallurgy, and Exploration



Society of Naval Architects and Marine  
Engineers



Society of Petroleum Engineers

**TMS**

Minerals • Metals • Materials

The Minerals, Metals & Materials Society

## Regional Sponsoring Organisations



Brazilian Petroleum, Gas and Biofuels Institute  
(IBP)

## Endorsing Organisations



International Association of Drilling Contractors



Petroleum Equipment Suppliers Association

Dear Colleagues,

On behalf of the Offshore Technology Conference (OTC) Board of Directors and the supporting organizations, I am pleased to announce the next Arctic Technology Conference (ATC 2014) which will be held at the George Brown Convention Center in Houston, 10-12 February 2014. This conference is an exciting opportunity to share your knowledge and learn from colleagues at the most widely attended and highly regarded conference of its kind.

In a rapidly changing and tough economic environment, cutting-edge science and engineering technologies and ongoing innovations are needed for the exploration and production of energy within the circum-Arctic. Emphasis on respect for the people, the land and the environment of the circumpolar regions is more crucial than ever.

ATC 2014 is the perfect opportunity for you and your company or institution to collaborate with colleagues and vendors about challenges and solutions in the Arctic. The event will feature a conference with more than 150 technical papers, high quality speakers, networking events and a lively exhibition. Before and during the conference sessions a number of additional topical breakfasts and luncheons will offer additional insight into the Arctic. It is the ideal venue for delegates and exhibitors to enhance their experience and share their expertise.

For this conference, the ATC 2104 Program Committee will design a highly specialized program — incorporating topics from all of the sponsoring organizations — within key topical areas such as resources, drilling, production and export facilities, physical environment, logistics and marine transport, regulatory and environment, etc.

We are looking for a range of presentations that cover all aspects of technical and social performance in the Arctic. Further, it's a fantastic opportunity to learn from you how we can improve our business through new technology applications and practices in a wide range of activities in the Arctic. We are also interested in hearing how these technical developments are being managed, both in the current business environment and for the future challenges we face in our industry.

Whether you are an experienced technical writer or thinking of writing your first paper proposal, here is your chance to make a significant contribution to the Arctic arena by presenting, discussing and explaining your distinguishing achievements and findings with your colleagues in the industry.

Send in your paper proposals no later than 13 June 2013 via [www.ArcticTechnologyConference.org](http://www.ArcticTechnologyConference.org). I look forward to reviewing your contributions and welcoming you to the Arctic Technology Conference on **10 February 2014**.

Han Tiebout, Chair  
ATC Technical Program Committee

P. S. The Spotlight on Arctic Technology awards were introduced during ATC 2012, and once again distinguished exhibitors will have the opportunity to submit proposals that accentuate innovations for our industry.

[www.ArcticTechnologyConference.org](http://www.ArcticTechnologyConference.org)



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## 2014 Themes and Sub-categories

### Theme 1: Geology and Geophysics

- Basin potential
- Frontier basin geology
- Geophysics
- Hydrates

### Theme 2: Exploration and Production

- Drilling
- Drilling and production facilities and structures
- Pipelines and export
- Gas and oil processing
- Flow assurance
- Offshore
- Transition zone
- Season extensions
- Gas hydrates
- Shallow gas
- Operations
- Autonomous Underwater Vehicles (AUVs)

### Theme 3: Physical Environment

- Ice
  - Ice management
  - Ice barriers
  - Ice load prediction and modeling
  - Measurement of ice properties
- Met ocean, seismicity, forecasting and weather, ice predictions
- Ice roads
- Climate change

### Theme 4: Logistics

- Icebreakers and ice-worthy vessels
- Offshore terminals
- Active ice management
- Arctic navigation
- Logistics and resupply — land, sea and air

### Theme 5: Regulatory Environment and Social Responsibility

- HSE (Health, Safety, Environment)
- ERR (Emergency Escape and Rescue)
- Oil spill prevention and response
- Codes and standards
- Legislation
- Emissions and discharges
- Regional and social development in frontier areas

## The Paper Proposal Form

A proper review of your paper proposal requires that it contain adequate information on which to make a judgment. The suggested limit of 2,500 characters should not be constraining if the paper proposal is limited to the following factual highlights:

- **Description of the Proposed Paper:** Outline the scope and nature of the work upon which the paper is based (e.g., field data, laboratory data, original analysis or computer work). If the paper is a review paper, carefully state the extent of the coverage.
- **Application:** Describe the possible applications of the information provided in the paper.
- **Results, Observations and Conclusions:** Summarize the results and major conclusions to be presented in the paper and state how these differ from previous work on the same subject. State whether new information will be revealed and whether the data from field, laboratory, or computer work will be included.
- **Significance of Subject Matter:** Describe the significance of the proposed paper by listing up to three technical contributions or additions to the technical knowledge base of the petroleum industry.

### Selection Criteria

The program committee will observe the following criteria when selecting papers for the conference:

- **The paper must not have had prior publication or circulation.**
- The paper should contain significant new knowledge or experience in some area of Arctic exploration and production.
- The paper must be technically correct and should be of interest to a reasonable number of people working in or responsible for Arctic exploration or operations. It may be theoretical or present the results of laboratory studies, and it may state or analyze a problem. The paper may also be a review paper, but must be of significant value to the technical field.
- The paper may present information about equipment and tools to be used in Arctic exploration and production. Such papers must show the definite applications and limitations of such equipment and avoid commercialism and the use of trade names.
- The paper proposal should have the necessary clearance before it is submitted to ATC.
- **Prospective authors should advise of any clearance problems when the paper proposal is submitted.**

### Preparation of Manuscripts

- A manuscript will be required for the conference per the OTC policy of “no paper, no podium.” Manuscripts will be included on the CD Proceedings.
- Complete instructions on preparation of manuscripts and visual presentation material will be made available electronically to authors of accepted proposals.
- All papers presented at the conference will be copyrighted by OTC.
- **Do not use trade names, company names or language that is commercial in tone in the paper title, text, figures and presentation materials. Commercialism in papers submitted for the CD Proceedings may be cause for removal of the paper from the program.**
- English is the official language of the conference.