

## CALL FOR ABSTRACTS

- 1<sup>st</sup> Call for Abstracts: October 15, 2021.
- Abstract submission deadline: February 15, 2022, but encouraged as soon as possible.
- Notice of abstract acceptance or rejection will be sent by March 15, 2022, but within 30 days of abstract receipt.
- Technical paper submission for review deadline: April 15, 2022.
- Reviews completed by May 15, and final papers (including any revisions) due by June 15, 2022.

The ICETECH Organizing Committee invites abstracts for refereed papers and subsequent in-person presentation at the ICETECH conference in August 2022 in Calgary, Alberta, Canada. Submissions may address any global topic, but must relate to the conference theme and/or at least one of the Topics as outlined below.

**Theme:** Marine technology for the changing world ice regimes.

**Sub-Theme:** Focus on performance of ships and structures in ice, including icebreaking ships, ice resistant structures, various operations in cold and icy marine environments, and impacts on the changing environment. Today we see new technological challenges due to shifting global climate and environmental patterns, set within an evolving sense of societal expectations and responsibilities.

**Topics:**

- Implications of climate change to design and operation of ships and structures in marine and inland ice.
- Studies and characterization of climate change effects on ice regimes and coastal environments.
- Icebreaking ships: naval architecture, propulsion, construction, and marine operations.
- Development of autonomous navigation, green propulsion, silent cruising, and other innovations.
- Structures in ice/iceberg populated waters, new challenges with climate change.
- Construction and logistics in ice-covered areas, provisions for changing ice regimes.
- Ice management, current practices, methods for climate change effects like pack ice invasions.
- New offshore developments in ice-covered areas with provision for climate change effects.
- Subsea pipelines and facilities in ice, effects of permafrost reduction.
- Marine systems for offshore drilling and production operations in ice and iceberg regimes.
- Codes, regulations and standards, including new requirements for emissions, noise, and hydrodynamic.
- Ice conditions, forecasting and remote sensing, future ice condition prediction.
- Reduction of climate change effects on ice cover, iceberg and pack dynamics, permafrost.
- Safety, risk and environmental protection, methods of dealing with climate change effects.
- Escape, Evacuation and Rescue (EER)
- Arctic Geopolitics

There are opportunities for student participation, and we offer special student registration rates for the conference. If applicable, indicate Student Status on your Abstract Submission.

Download your Abstract Submission form at [http://www.icetech22.org/conf\\_abstracts.htm](http://www.icetech22.org/conf_abstracts.htm)

Send submissions via email to [papers@icetech22.org](mailto:papers@icetech22.org). You may also keep in touch with us via the Secretariat ([secretariat@icetech22.org](mailto:secretariat@icetech22.org)). You are encouraged to share this Call for Abstracts with colleagues. We look forward to your participation!

Best regards from the ICETECH 2022 Organizing Committee and the SNAME Arctic Section

Frank Bercha (Chair), Azmy Aboulazm (Vice-Chair and Chair Papers), Dave McGonigal (Treasurer)