

CALL FOR PAPERS

4TH WORKSHOP & SYMPOSIUM

JULY 15 - 17, 2019

ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

CANADA

**ABSTRACT DEADLINE:
NOVEMBER 18, 2018**

Safety and Integrity Management of Operations in Harsh Environments: Risk, Reliability and Resilience

The Harsh Environments and Modern Challenges

Operations in Arctic and sub-Arctic regions face many challenges from harsh environments, as well as the Canada-Newfoundland and Labrador Offshore area. Such harsh conditions can mainly be attributed to low temperatures, extreme winds, extreme freezing in remote locations, icing and permafrost. Due to these conditions, offshore operations face many safety and integrity management challenges such as seasonal variations, data scarcity, and logistics. To deal with these challenges, it is crucial to perform risk assessment and develop reliable and resilient operational models to achieve safe working conditions.

The Workshop

Building on the success of previous workshops, the 4th workshop aims to develop risk-based solutions for industries operating in harsh environments. It will bring together industrial experts, researchers, and academia to share their expertise in the areas of safety and integrity of operations. The workshop will provide specialized training sessions and will focus on the following topics:

- Alarm Management
- Human Factors
- Digitization
- Logistics in Harsh Environments

Organizer

Dr. Faisal Khan, Director, Centre for Risk, Integrity and Safety Engineering (Faculty of Engineering and Applied Science)
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The Symposium

The symposium will discuss safety and integrity-based solutions to operational challenges in harsh conditions. Original papers representing the scientific knowledge and engineering solutions to safe operations in harsh environments covering the following topics are invited. Papers should not have been published previously and should not be currently under review. Case studies presenting novel solutions to operational challenges in harsh environments are also welcome. All submitted papers will be peer-reviewed and will be short-listed based on the quality of the work and relevance to the thematic areas:

- Process and Occupational Safety
- Marine and Offshore Safety
- Risk Management of Offshore Operations
- Data Analytics
- Digitization and its Applications
- Abnormal Situation Management
- Human Factors
- Resilience of Ocean and Marine Systems
- Natural Hazards and Resilience
- Emergency Situation Management

Abstract Submission

The deadline for the abstract is **November 18, 2018**. An abstract of up to 200 words should be uploaded to the submission site at the link: <http://crise4.exordo.com/>

Further details can be found on our website:

www.mun.ca/engineering/crise/workshops/crise4



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