



TÉCNICO
LISBOA

ICCGS 2019
21-23 October



Centre for Marine Technology
and Ocean Engineering

International Conference on Collision and Grounding of Ships and Offshore Structures 2019

Second Announcement and Call for Papers

21 – 23 October 2019

Lisboa, Portugal

Instituto Superior Técnico

www.centec.tecnico.ulisboa.pt/iccgs2019

8th International Conference on Collision and Grounding of Ships and Offshore Structures (ICCGS 2019)

The Centre for Marine Technology and Ocean Engineering (CENTEC) of Instituto Superior Técnico, Universidade de Lisboa is organizing the 8th International Conference on Collision and Grounding of Ships and Offshore Structures (ICCGS 2019) that will be held at Instituto Superior Técnico in Lisbon, Portugal from 21-23 October.

Naval architects, marine engineers and scientists from all over the world attend and present recent research results on the topics covered by the ICCGS. This forum will offer the ideal setting for participants to share experiences and be informed of state-of-the-art developments in collision and grounding of ship and offshore structures, as well as take part in many fruitful discussions. All presented papers will be peer-reviewed to ensure the customary high scientific and academic quality.

The aim of ICCGS conferences is to present state-of-the-art methods for analysis and design against collision and grounding of ships, collisions between ships and icebergs, offshore structures, bridges, submerged tunnels and waterfront structures. Previous conferences were held in: San Francisco, USA in 1996; Copenhagen, Denmark in 2001; Tokyo, Japan in 2004; Hamburg, Germany in 2007; Helsinki, Finland in 2010; Trondheim, Norway in 2013; and, Ulsan, South Korea in 2016.

Areas / Topics

- Behaviour of large passenger vessels in collision and grounding
- Collision and grounding in arctic conditions including accidental ice impact
- Stability residual strength and oil outflow of ships after collision or grounding
- Collision and grounding statistics and predictions and measures of the probability of incidents
- Risk assessment of collision and grounding
- Prediction and measures for reduction of collision and grounding
- New designs for improvement of structural resistance to collisions
- Analysis of ultimate strength of ship structures (bulkheads, tank tops, shell etc.)
- Design of buffer bows to reduce collision consequences
- Design of foreship structures of ferries with doors to avoid water ingress in case of a collision
- Development of rational rules for the structural design against collision and grounding
- Innovative navigation systems for safer sea transportation
- The role of IMO, classification societies, and other regulatory bodies in developing safer ships
- Collision between ships and offshore structures
- Collision between ships and fixed or floating bridges and submerged tunnels
- Collision with quays and waterfront structures
- Collision and grounding experiments
- Properties of marine-use materials under impact loadings
- Residual strength of damaged ships and offshore structures
- Analysis of ultimate strength of ship structures
- Human Factors in Collision and Grounding accidents

Time and Venue of ICCGS 2019

ICCGS 2019 is the eighth conference on collision and grounding of ships, offshore structures and related accidents. It will be organized by Centre for Marine Technology and Ocean Engineering (CENTEC) of Instituto Superior Técnico (IST), Universidade de Lisboa.

The conference will take place at IST's Congress Centre in the Lisbon campus on 21-23 October 2019.

It is foreseen that the presentation of a large number of peer-reviewed papers will provide the basis for high-level discussions. For the latest information on the conference, the website at <http://www.centec.tecnico.ulisboa.pt/iccgs2019> is available for your consultation.

Steering Committee

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Key Dates and Deadlines

<u>Abstract Submission:</u>	15-03-2019
<u>Draft Paper Submission:</u>	15-04-2019
<u>Final Full Length Paper Submission:</u>	30-06-2019
<u>Final Paper Acceptance:</u>	15-07-2019
<u>Conference Early Bird Registration:</u>	31-07-2019
<u>Conference Programme:</u>	15-09-2019



For further information, please contact the ICCGS 2019 Secretariat at:

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