

ICCGS 2023
11-13 September



International Conference on Collision and Grounding of Ships and Offshore Structures 2023

Second Announcement and Call for Papers

11 – 13 September 2023

Nantes, France

Institut Catholique d'Arts Métiers (Icam)

ICCGS website: www.centec.tecnico.ulisboa.pt/icgs2023

9th International Conference on Collision and Grounding of Ships and Offshore Structures (ICCGS 2023)

The Institut Catholique d'Arts et Métier (Icam), High School of Engineering, is organizing the 9th International Conference on Collision and Grounding of Ships and Offshore Structures (ICCGS 2023) that will be held in its campus of Nantes, France from 11th to 13th September 2023.

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; Ulsan, South Korea in 2016; and Lisbon, Portugal in 2019.

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 damaged 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 2023

ICCGS 2023 is the ninth conference on collision and grounding of ships, offshore structures and related accidents. It will be organized by Icam Engineering School in its campus of Nantes, France.

The conference will take place at Icam Nantes campus on 11-13 September 2023.

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/iccgs2023> is available for your consultation.

Steering Committee

Carlos Guedes Soares, Portugal

Jørgen Amdahl, Norway

Sören Ehlers, Germany

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Pentti Kujala, Finland

Dongkon Lee, Korea

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Carey Walters, The Netherlands

Zaili Yang, UK

Zhaolong Yu, Norway

Local Organising Committee

Ouest Nantes campus, France

Hervé Le Sourne (chair), Jérôme Soto

Mahfoud Tahlaiti and Josune Banos-Antigua

Key Dates and Deadlines

<u>Abstract Submission:</u>	28-02-2023
<u>Draft Paper Submission:</u>	22-03-2023
<u>Final Full Length Paper Submission:</u>	30-04-2023
<u>Final Paper Acceptance:</u>	15-05-2023
<u>Conference Early Bird Registration:</u>	30-06-2023
<u>Conference Programme:</u>	15-08-2023



For further information, please contact the Icam ICCGS 2023 secretariat:

Josune Banos-Antigua or Hervé Le Sourne

Icam Ouest – Nantes campus

Tel: +33 240 524 042 or +33 685 396 426

E-mail: iccg2023@icam.fr

ICCGS 2023 website: <http://www.centec.tecnico.ulisboa.pt/iccg2023>