

**ICCGS 2025**  
16-19 September



# *International Conference on Collision and Grounding of Ships and Offshore Structures*

**2025**

***First Announcement and Call for Papers***

**16 – 19 September 2025 - Shanghai, China**

Organized by:

**Wuhan University of Technology**

Co-Organized by:

Shanghai Jiao Tong University

China Ship Scientific Research Center

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ICCGS website: <http://www.centec.tecnico.ulisboa.pt/iccgs2025>

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# **10<sup>th</sup> International Conference on Collision and Grounding of Ships and Offshore Structures (ICCGS 2025)**

## **Welcome to ICCGS 2025**

ICCGS 2025 is an international forum for naval architects, marine engineers and scientists to present the latest innovations and achievements, to share and discuss current trends, emerging issues and experiences in naval architects and ocean engineering communities, and promote developments and information exchange in this field. All presented papers will be peer-reviewed to ensure the customary high scientific and academic quality and published in a book of Proceedings. You are welcome to join and enjoy ICCGS 2025 in Shanghai.

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, floating wind turbines, 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; Lisbon, Portugal in 2019; and Nantes, France in 2023.

## **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 2025

ICCGS 2025 is the 10th in a series of conferences focusing on collision and grounding. The conference will be held from 16th to 19th September 2025 in Shanghai, China, one week before ISSC 2025 in Wuxi, and it only takes 30 minutes to travel by train between these two cities. The conference will be hosted by the Wuhan University of Technology. 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, please check <http://www.centec.tecnico.ulisboa.pt/iccgs2025>.

### Steering Committee

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Jiangyan Shao, Wuhan University of Technology, China

## Key Dates and Deadlines

<u>Abstract Submission:</u>	30-11-2024
<u>Draft Paper Submission:</u>	15-03-2025
<u>Final Full Length Paper Submission:</u>	30-04-2025
<u>Final Paper Acceptance:</u>	15-05-2025
<u>Conference Early Bird Registration:</u>	30-05-2025
<u>Conference Tentative Programme:</u>	31-08-2025



**For further information, please contact the ICCGS 2025 secretariat:**

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