

ICCGS 2013
June 17th – 19th
Trondheim, Norway

6th International Conference on Collision and Grounding of Ships and Offshore Structures

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WELCOME TO ICCGS 2013

For the first time ICCGS will be held in Trondheim, Norway. We encourage naval architects, marine engineers and scientists from all over the world to attend and present results of their latest research. At ICCGS 2013 you will share your experience, be informed about state of the art developments in collision and grounding, as well as take part in many fruitful discussions. All papers will be peer-reviewed for high scientific quality. We are convinced that you will enjoy Trondheim.

THE ICCGS CONFERENCES

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 ice bergs, offshore structures, bridges, submerged tunnels and waterfront structures. Previous conferences were held in:

San Francisco 1996
Copenhagen 2001
Tokyo 2004
Hamburg 2007
Helsinki 2010

TIME AND VENUE OF ICCGS 2013

ICCGS 2013 is the sixth conference on collision and grounding of ships, offshore structures and related accidents. It is organized by Norwegian University of Science and Technology (NTNU) and supported by several maritime companies, institutions and organizations in Norway and Sweden.

The conference is scheduled from June 17th – 19th, 2013 and shall be held at Department of Marine Technology in Marine Technology Center, NTNU.

The presentation of a large number of peer-reviewed papers will provide the basis for high-level discussions. For latest information of the conference, please check

www.ntnu.no/iccgs

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DEADLINES AND KEY DATES

March 2012 Call for Papers
May 15, 2012 Abstract Submission
June 2012 Abstract Acceptance
June 2012 Tentative program
Sept. 2012 Paper Submission
Jan. 2013 Paper Acceptance
Jan. 2013 Conference Registration
March 2013 Conference Program
ICCGS 2013 June 17 – 19th 2013

CONFERENCE INFORMATION

+47 918 97 748
+47 957 45 663
+47 735 95 989

Submit your abstract to:

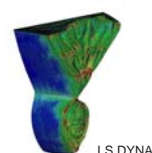
iccg2013@ntnu.no

within May 15 2012

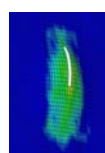
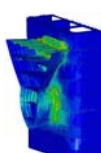
Topics



Report: Investigation of Big Orange XVIII's collision with Ekofisk 2/4-W 8 June 2009



LS DYNA



- Behavior of large passenger vessels in collision and grounding
- Collision and grounding in winter navigation
- Collision and grounding in arctic conditions including accidental ice impact
- Stability and residual strength of damaged ship 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
- Consequences of collision and grounding with respect to oil outflow, hull girder failure and stability of ships
- 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