

Session 1: Numerical Prediction of Intact Stability

- Numerical Simulation of Ship Seakeeping by the SWENSE Approach, B. Alessandrini, P. Ferrant, L. Gentaz, Christian Behrault
- Time Domain Simulations of the Behaviour of Fast Ships in Oblique Seas, Frans van Walree, Pepijn de Jong
- An Application of CFD to Recent Ship Stability Problems, Hirotada Hashimoto, Frederick Stern, Seyed Hamid Sadat Hosseini, Makoto Sueyoshi

Session 2: Parametric Roll Prediction

- Theoretical Prediction and Experimental Verification of Multiple Steady States for Parametric Roll, Gabriele Bulian, Alberto Francescutto
- Problems and Capabilities in the Assessment of Parametric Rolling, Kostas J. Spyrou, Ioannis Tigkas, G. Scanferla, N. Gavrilidis
- Application of Parametric Roll Criteria to Naval Vessels, Christopher Bassler

Session 3: Ship Behavior in Following/Quartering Waves

- Analytical Predictions of Surf-Riding Thresholds and Their Experimental Validation, Atsuo Maki, N. Umeda
- Experimental Study on the Large Roll Motion of a ROPAX Ship in the Following and Quartering Waves, Sun Young Kim, Nam Sun Son, Hyeon Kyu Yoon
- Some Issues of Broaching Phenomenon in Following and Quartering Seas, N. Umeda, A. Maki, M. Araki

Session 4: Probabilistic Assessment of Intact Stability

- Probabilistic Qualities of Stability Change in Waves, V. Belenky, K. Weems
- Motion Prediction Envelopes for Intact and Damaged Hulls, L. McCue
- Probabilistic Assessment of Ship Stability Based on the Concept of Critical Wave Groups, N. Themelis, K. Spyrou

Session 5: Numerical Prediction of Flooding and Damage Stability

- Application of Wether Criterion to a Damaged Passenger Ship-A Proposal of Guidance to the Master to Safe Return to Port, Yoshiho Ikeda, Yuki Kawahara
- Benchmark Study of Numerical Codes for the Prediction of Time to Flood of Ships - phase 2, F. van Walree and N. Carette
- Safety Level of Damaged Ropax Ships-Risk Modelling and Cost Effectiveness Analysis, D. Konovessis, L. Guarin, D.Vassalos

Session 6: Design System considering Damage Condition

- Evaluation of Hydrodynamic Performance of a Damaged Ship in Waves, Sa Young Hong, Seok-Kyu Cho, Byoung Wan Kim, Gyeong Jung Lee, Ki-Sup Kim, Do-Chan Hong
- A Study on Development of Structural Safety Assessment System of Damaged Ships due to Marine Accidents, Tak-Kee Lee, Chae Whan Rim, Byung-Hyun Kim, Ki-Sup Kim
- Development of Design Support System for Safety Assessment of Ship under Damage Conditions, Soon-Sup Lee, Dongkon Lee, Ki-Sup Kim, Beom-Jin Park, Hee-Jin Kang, Jin Choi

Session 7: Operational Stability Safety

- Benchmark Study on Numerical Codes for the Prediction of Damage Ship Stability in Waves, Apostolos Papanikolaou, Dimitris Spanos

Session 8: Probabilistic Assessment of Damage Stability

- SOLAS '90, Stockholm Agreement, SOLAS 2009 - The False Theory of Oranges and Lemons, Dracos Vassalos, Andrzej Jasionowski, Anthony York, Nikos Tsakalakis
- Operational Evaluation of Damage Stability for Tank Vessels, Robert D. Tagg, Luca Letizia
- Closure on Survival Time, M. Pawlowski

Session 9: Ship Accident Investigation

- Learnings Outcomes from the Loss of Stonia, Vassalos, Dracos
- Review of the Ship Accident Investigations Presented at the STAB Works/Conferences, Luis Perez-Rojas, Sara Sastre, Ainara Martin