

3rd International Maritime Conference
on
DESIGN FOR SAFETY

September 26-28, 2007
Berkeley California USA

1. Arne Moritz, Uwe Langbecker and Pierre C. Sames,
A Risk-Cost-Earning Model for Container Vessels
Germanischer Lloyd and EU SAFEDOR Project
2. Fujio Kaneko and Koichi Yoshida,
Consideration of Bayesian Network's Applicability to FSA and an Evaluation of Effectiveness of ECDIS by Application of the Network
National Maritime Research Institute (NMRI) Japan
3. Jon McGregor and Laurent Prat
Assessing Alternative Designs of Life Saving Systems
Bureau Veritas – Marine Division
4. British Columbia Ferry Services Inc.
Safety Beyond Regulation
British Columbia Ferry Services
5. Naoya Umeda, Eri Maeda and Hirotsada Hashimoto
Risk Levels of Ships Under Dead Ship Condition
Osaka University, Department of Naval Architecture and Ocean Engineering
6. Gerald Bellows and Frances Bellows
A Safety Framework and Philosophy: Corporate and Operational Levels
Smooth Sailing Inc.
7. K. V. Kostas¹, A.I. Ginnis¹, P. D. Kaklis¹, and C.G. Politis²
VELOS: Virtual Environment for Life on Ships
¹National Technical University of Athens
²Technological Educational Institute of Athens
8. C. Breinholt, W. Hensel, C. Pavaut, P.C. Sames, R. Skjong, T. Strang and D. Vassalos
Achievements of SAFEDOR in the First Two Years
Various European participants in EU SAFEDOR
9. Xi-De Cheng and Zu-Yuan Liu
A Dynamic Collision Avoidance Space Model for Ship Navigating Safely in Inland Waterway
School of Transportation, Wuhan University of Technology, Hubei, China
10. Jan Kruszewski
Artificial Intelligence in Operational Safety and Total Ship Control "Sail by Wire"
Gdynia Maritime University, Gdynia, Poland
11. Dimitris Konovessis and Dracos Vassalos
Decision Support in Risk-Based Ship Design
The Ship Stability Research Centre; Universities of Glasgow and Strathclyde
12. A. Papanikolaou¹, C. Tuzcu², P. Tsihli³
Risk Based Optimisation of Tanker Design
¹Professor, Director of Ship Design Laboratory, NTUA, Greece
²Phd, former Ship Stability Research Centre, United Kingdom
³Kristen Navigation, Greece

13. Björn Allenström¹, Joanne Ellis¹, and Per Fagerlund²
Design for Survival Onboard: A ROPAX Concept Ship with a Focus on Safety
¹SSPA Sweden AB
²Globtech
14. Luiz Feijo, Raquel Dos Santos and Dr. Gareth Burton
Practical Role of Classification Societies in Verifying Safe Design on Floating Offshore Oil and Gas Production Installations
ABS Americas, Houston, USA
15. Raquel dos Santos, Dr. Gareth Burton and Luiz Feijo
Safety Challenges Associated with Non-Ship Shaped Concepts Utilized in the Offshore Industry
ABS Americas, Houston, USA
16. Beom-Jin Park, Bu-Geun Paik, Seong-Rak Cho and Dong-Kon Lee
Enhancing Ship Safety Using Ubiquitous Technology
Maritime and Ocean Engineering Research Institute, Korea
17. Dracos Vassalos and Andrzej Jasionowski
A Design Approach to Ship Vulnerability to Flooding
The Ship Stability Research Centre, UK
18. Luis Guarin¹, Andrzej Jasionowski², and Dracos Vassalos²
Design for Fire Safety
¹Safety at Sea Ltd., Glasgow UK
²The Ship Stability Research Centre, Department of Naval Architecture and Marine Engineering, Universities of Glasgow and Strathclyde, UK
19. Tom Strang¹ and Pierre C. Sames²
Operation of Risk-based Ships
¹Carnival Corp
²Germanischer Lloyd
20. Melanie Landamore, Oihane Cabezas-Basurko and Jonathan Downes
Design for Environmental Safety and Sustainability: The Adoption of a Risk-Based Approach
School of Marine Science & Technology, Newcastle University, Newcastle upon Tyne UK
21. Jonathan Downes¹, Colin Moore², Atilla Incecik¹, Estelle Stumpf³ and Jonathan McGregor³
Quantitative Assessment of the Performance of Alternative Designs in the Accidental Condition
¹School of Marine Science & Technology, Newcastle University, Newcastle upon Tyne, UK
²Herbert Engineering Corp., Alameda, CA
³Bureau Veritas – Marine Division, Courbevoie, France
22. Andrzej Jasionowski, Dracos Vassalos and Andrew Scott
Ship Vulnerability to Flooding
¹Safety at Sea Ltd., Glasgow UK
²The Ship Stability Research Centre, Department of Naval Architecture and Marine Engineering, Universities of Glasgow and Strathclyde, UK
23. Alberto Francescutto
Intact Ship Stability Rules: From Prescription to Performance
University of Trieste, Italy