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| 0900-1100 | <b>14 September</b> at Arken Conference Centre  | <i>Registration</i>   |
| 1100-1200 | <b>Keynote Martha Grabowski: The role of maritime human factors in the 21<sup>st</sup> century</b>  |   |
|           | <b>Human Factors in Ship Design</b>   |   |
| 1300-1325 | Bringing Human Tasks into the Mainstream of Ship Design and Operation: Developing a Toolset to Integrate Task Analyses with Systems Engineering | D. Carr, BAE Systems  |
| 1330-1355 | A New Way of Working: Developing a Platform Management System to provide facilities to support and train warship machinery operators            | I. MacLeod, W. Galloway and D. Carr, BAE Systems  |
| 1400-1425 | Developing an ergonomically designed user interface for a C2-System   | J. Schwarz, Fraunhofer Institute  |
| 1430-1455 | Design of a communication management system onboard in the framework of e-navigation concept  | Elena Dalinger, Florian Motz, Fraunhofer Institute  |
|           | <b>Safety and Risk</b>  |   |
| 1530-1555 | The effects of safety culture on ship collision risk  | M. Hänninen, Aalto University   |
| 1600-1625 | Learning from Maritime Accidents by Applying Connectionism Assessment of Human Reliability  | K. Loer, Germanischer Lloyd. J. Holz, Georgios Athanassiou, O. Straeter, Universität Kassel             |
| 1630-1655 | Mariner safety near-misses influencing design   | K. McSweeney, ABS   |
| 1700-1725 | Adapting Process Analysis Methods for the Evaluation of Exercises in the Maritime Domain  | G. Linkmann, D Ley, FKIE. J-S Salzig, Federal Police Office Schleswig-Holstein, Maritime Security, Kiel |

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| 0930-1000 | <b>15 September</b> at Arken Conference Centre. <b>Keynote J.V. Earthy: Human Behaviour and Ergonomics in Lloyd's Register's marine technology innovation programme</b>  |   |
|           | <b>Safety and Survivability</b>  |   |
| 1000-1025 | Carbon dioxide accumulation within a totally enclosed motor propelled survival craft   | A. Baker, V. Thistle, A. Kavanagh, S. N. MacKinnon, Memorial University, St. John's. A. J. Simões Ré, J. Power, National Research Council Institute for Ocean Technology, St. John's  |
| 1030-1055 | Donning time of marine abandonment immersion suits under simulated evacuation conditions   | S. C. Mallam, Memorial University, St. John's; G. Small, Marine Institute of Memorial University of Newfoundland, St. John's; S. N. MacKinnon, Memorial University, St. John's  |
| 1100-1125 | Survivability of Ships at Sea: A Human Factors Perspective   | V. Rumawas & B. E. Asbjørnslett, Norwegian University of Science and Technology (NTNU)  |
| 1130-1155 | The effect of hand immersion in 4 degree Celsius water on the performance of helicopter evacuation survival tasks  | S. C. Mallam, Scott N. MacKinnon, Memorial University of Newfoundland, St. John's   |
|           | <b>Workload and Fatigue</b>  |   |
| 1300-1325 | Comparative Study of Watchkeeping Routines for Seagoing Personnel  | M. R. Grech, P. Elischer and A. McLean, Defence Science and Technology Organisation, Australia  |
| 1330-1355 | A study of the association between work related, individual, and environmental factors on self-reported fatigue among officers working in the Canadian shipping industry | L. E. Critch, A. Loucks-Atkinson, S. N. MacKinnon, School of Human Kinetics and Recreation, Memorial University of Newfoundland, St. John's; J. Parsons, Fisheries and Marine Institute of Memorial University of Newfoundland & Labrador, St. John's |
| 1400-1425 | Experimental study of auditory warning types for ship bridge alert management system   | H-T. Kim and W. H. Ha, Maritime & Ocean Engineering Research Institute, Republic of Korea. S. H. Park, Hannam University, Republic of Korea   |
|           | <b>Human Resources and onboard competence</b>  |   |
| 1430-1455 | A comparative review of resource management on the bridge: Can lessons learned in aviation assist with tackling the current challenges facing the maritime industry?     | A. Kay, Aerospace Psychology Research Grp, Trinity College Dublin; M. MacLachlan, Centre for Global Health & School of Psychology, Trinity College; P. Walter, National Maritime College, Ringaskiddy, County Cork                                    |
| 1500-1525 | Future ships: Complement Calculation and Autonomy  | M. Woodward, UK Naval Design Partnership  |
| 1530-1555 | Investigating Crew Competency using a Maritime Line Operation Safety Audit   | B. Brooks, Australian Maritime College, University of Tasmania  |
| 1600-1630 | <b>Closing statement Toni Ivergård</b>   |   |
|           | <b>Dinner speech David Squire, Alert!</b>  |   |

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|                  | <b>16 September</b> at Chalmers Lindholmen   |  |
| <b>1000-1030</b> | <b>Keynote Brian Sherwood-Jones: User input/feedback to the various parts of the industry, how and why</b> |  |
| <b>1030-1500</b> | Ergoship industry day, demonstrations and posters  |  |