

INTERNATIONAL CROSS-INDUSTRY SAFETY CONFERENCE (ICSC)

Amsterdam, 3-4 November 2016



INTERNATIONAL CROSS-INDUSTRY SAFETY CONFERENCE “MEASURING SAFETY”

AMSTERDAM, 3-4 NOVEMBER 2016

The Amsterdam University of Applied Sciences is proud to organise the 1st International Cross-industry Safety Conference (ICSC) dedicated to both practical and theoretical aspects of safety. This conference aims to create a platform to disseminate and share knowledge and experience about safety within and between industry and academia. This year’s theme is “Measuring Safety” and the program will cover a wide range of research and practice on the development, validation and use of safety metrics across various industries. The conference will feature keynote speeches by Neville Stanton (Professor of Human Factors in Transport at the University of Southampton, UK), Johan Svenningsson (CEO Sydkraft Nuclear Power AB & Country Chairman Uniper, Sweden), David Lindley (Aviation Safety Consultant at MBDA, UK) and Bart Poolman (Lead QA/SHE Advisor for Heerema Marine Contractors, NL).

SAFETY: INDUSTRY & ACADEMIA

There is a plethora of approaches to safety, respective models and management methods that have been proposed by the academia. Various ‘best practices’ are applied across industry sectors and are included in standards and regulations. The diversity of models and approaches serves the scope of science, but when it comes to practice, does not allow the establishment of a common language regarding safety. Academics focus on problems that the industry is not highly concerned with, and the industry is not knowledgeable about research results that can be used to solve safety related problems. Moreover, even best practices are not widely shared across different industries.

THE SCOPE OF THE ICSC

For all industry sectors safety is one of the focal points. Organizations have recognized that safety improvements contribute to the achievement of broader business goals. The ICSC is a unique opportunity to bring together the various industry sectors and academia. We aim to create a platform for disseminating and sharing knowledge and experience about safety, and we intend to become a hub for discussing current and future safety challenges.

PROGRAM

Next to the four keynote speeches, the conference will host approximately 20 presentations from the industry, academia and (inter)governmental organisations. Speakers from the aviation and aerospace, construction and infrastructure, nuclear, oil & gas, railway, defence and maritime sectors along with academics from reputable universities will share and discuss a wide range of practical applications and research results. In addition, two plenary discussions will provide the participants with the opportunity to address their questions and share their views on current safety challenges and the required cooperation between industry and academia.

This year's presentations will cover the following topics:

- Safety performance, testing and data sharing
- Safety regulations and standardization
- Organizational and safety culture
- Multimodal safety
- Performance variability management

INFORMATION AND REGISTRATION

For more information and registration please visit the conference website:

amsterdamuas.com/ICSC

KEYNOTE SPEAKERS



Prof. Neville Stanton holds the Chair in Human Factors Engineering at the University of Southampton (UK) and is a Chartered Psychologist, Ergonomist and Engineer. He has

advised organisations in the UK on safety management and the development of safety cases. He has published 30 books and over 250 journal papers. Prof. Stanton's significant contribution in human factors has been widely recognised. He has been awarded with the Institution of Electrical Engineers Divisional Premium Award, The Otto Edholm Medal, The President's Medal, The Sir Frederic Bartlett Medal (all from the IEHF), The Hodgson Prize and Bronze Medal from The Royal Aeronautical Society and a Doctor of Science from the University of Southampton.

Keynote speech: *The Human Factors perspective – from micro, to meso, to macro models of safety in systems.*



Johan Svenningsson is Country Chairman of Uniper Sweden and holds the positions of CEO, COO, Chairman, Deputy Chairman and member of Boards of

Directors across Sydkraft AB and Sydkraft Nuclear Power AB - along with Hydro power and Thermal power sections, the Swedish Nuclear Waste Management Company SKB AB, and the Oskarshamn, Barsebäck, Ringhals and Forsmark nuclear power plants. He was CEO of the nuclear power plant OKG AB, deputy CEO at the Swedish Technical Research Institute AB, and he held different management positions within Westinghouse and ABB Nuclear. Johan holds an MSc in Mechanical Engineering (Chalmers Institute of Technology, Sweden).

Keynote speech: *How does measuring safety help us understand and continuously improve current "safety levels" in our organization?*



David M. Lindley is aviation safety professional, engineering management consultant and Chairman of the Aerospace Technical Professional Network, Technical Advisory

Panel and Aerospace Community of the Institute of Engineering & Technology (UK). After his service as aircraft technician in the British Royal Navy, David led major airworthiness and safety related projects at BAE Systems, where he also provided consultancy in various civil and military programs. He was appointed Chief Safety & Engineering Management Consultant at Thales, where he worked on various defence, land, air, maritime and nuclear safety programs. David holds an MSc in Aviation Safety (Lancaster University, UK).

Keynote speech: *How safe should a system be whose primary design objective is to be unsafe?*



Bart Poolman is Lead QASHE Advisor for Heerema Marine Contractors, an offshore heavy lifting company based in the Netherlands. He has more than 12 years of

professional experience in Quality Assurance, Safety, Health and Environment in the oil & gas industry. For the last four years he has been fulltime involved in removal projects of offshore installations in the North Sea and currently involved in the Murchison Removal Project on the UK Continental Shelf. Before working in the oil & gas industry Bart has been 1st Lieutenant with the Royal Netherlands Marine Corps, being a platoon commander for 5 years.

Keynote speech: *A practical view on measuring safety in the offshore Oil & Gas industry.*

ORGANISATION

This conference is organized by the Aviation Academy of the Amsterdam University of Applied Sciences (AUAS). Dr. Robert J. de Boer, professor of Aviation Engineering, chairs the organizing committee. The Aviation Academy performs research into real-life cases and problems and our goal is to improve and innovate professional practice. We perform all of our research projects in close cooperation with industry, governmental agencies and scientific institutions or universities. This ensures a solid connection with state-of-the-art scientific knowledge, as well as a focus on the most urgent and current problems and challenges on the work floor.

CONFERENCE PARTNERS



SPONSORSHIP

AUAS is an educational, non-profit organization. Should your organization be available to contribute to our activities and become our sponsor for the ICSC, please contact Mrs. Viktoria Balla-Kamper at v.balla-kamper@hva.nl.

SPONSORS



PROGRAM COMMITTEE

- Dr. Nektarios Karanikas (Chairman), Amsterdam University of Applied Sciences, NL
- Dr. Robert J. de Boer, Amsterdam University of Applied Sciences, NL
- Dr. Maria Mikela Chatzimichailidou, University of Cambridge, UK
- Dr. Christian Hilbes, Zurich University of Applied Sciences, CH
- Dr. Martin Hromadka, University of Žilina, SK
- Dr. John Stoop, Kindunos Safety Consultancy, NL
- Dr. Alfred Roelen, Netherlands Aerospace Centre, NL
- MSc. Steffen Kaspers, Amsterdam University of Applied Sciences, NL
- MSc. Selma Piric, Human Performance Training & Consultancy, NL
- MSc. Martin Rejzek, Zurich University of Applied Sciences, CH
- MSc. Simon Whiteley, Dependable-Management Collaboration, UK

AMSTERDAM UNIVERSITY OF APPLIED SCIENCES

Faculty of Technology
Aviation Academy
Weesperzijde 190
1097 DZ Amsterdam
amsterdamuas.com/aviation