

# 3<sup>RD</sup> EUROPEAN STAMP WORKSHOP

## AMSTERDAM, OCTOBER 4<sup>TH</sup> - 6<sup>TH</sup> 2015



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The Aviation Academy of the Amsterdam University of Applied Sciences (AUAS) in collaboration with the MIT Partnership for a Systems Approach to Safety is proud to present the 3rd European Workshop on STAMP, following earlier successful editions in Braunschweig (2013) and Stuttgart (2014). The workshop will feature key note speeches by Prof. Nancy Leveson (MIT) and Prof. Sidney Dekker (Griffith University), and a program covering recent developments in the application of STAMP, proactive safety indicators, and industry case studies.

## WHAT IS STAMP?

Traditional system safety approaches are being challenged by the introduction of new technology and the increasing complexity of the systems we are attempting to build. STAMP is a new systems thinking approach to engineering safer systems described in Nancy Leveson's book "Engineering a Safer World" (MIT Press, January 2012). While relatively new, it is already being used in space, aviation, medical, defense, nuclear, automotive, and other sectors.

## TUTORIAL

Three consecutive tutorials will introduce the STAMP / STPA / CAST models and include practice sessions that will demonstrate the use of these models both on paper and through a software tool. The tutorials are considered important for STAMP EU 2015 participants who want to get more insight in the theory and implementation of STAMP family models. The tutorials will be delivered by instructors with extensive relevant experience.

## WORKSHOP PROGRAM

The Workshop will start with our renowned keynote speakers and will host in total 22 presentations from the academia and the industry, during which a wide range of research results and application cases will be communicated. In addition, two plenary discussions will provide the participants with the opportunity to address their questions and share their perspectives about organizational transformation and traditional probabilistic models.

## ORGANISATION

This workshop is organized by the Aviation Academy of the Amsterdam of Applied Sciences in collaboration with the MIT Partnership for a Systems Approach to Safety, the University of Stuttgart, and the Technical University of Braunschweig. Chairman of the organizing committee is Dr. Robert J. de Boer, professor of Aviation Engineering of the Aviation Academy.

## INFORMATION AND REGISTRATION

More information and registration will be available in due course through the conference website at [www.stamp-workshop.eu](http://www.stamp-workshop.eu) or [www.hva.nl/aviation](http://www.hva.nl/aviation).

## PROGRAM COMMITTEE

- Dr. Nektarios Karanikas (Chairman), AUAS
- Dr. Robert Jan de Boer, AUAS
- Dr. Ioannis Dokas, Democritus University of Thrace
- Dr. Lawrence Hettinger, Liberty Mutual Research Institute
- Dr. Nancy Leveson, MIT
- Dr. Niels Smit, Dutch Safety Board
- Dr. John Thomas, MIT
- Dr. Stefan Wagner, Univ. of Stuttgart
- MSc. Asim Abdulkhaleq, Univ. of Stuttgart
- MSc. Rene Hosse, TU Braunschweig
- MSc. Lorena Pelegrin, ILF Consulting Engineers
- MSc. Kirsten van Schaardenburgh, Incidenteel
- MSc. Simon Whiteley, Dependable-Management Collaboration

## SPONSORSHIP

AUAS is an educational, non-profit organization. Should your organization be available to contribute to our activities and become our sponsor for the 3rd European STAMP Workshop, please contact Mrs. Viktoria Balla-Kamper at [v.balla-kamper@hva.nl](mailto:v.balla-kamper@hva.nl).

## ABOUT THE AVIATION ACADEMY

The Aviation Academy of the Amsterdam University of Applied Sciences performs research in real-life cases and problems in the aviation sector, focusing on safety, MRO process improvement, composites and aviation capacity. 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.

## KEYNOTE SPEAKERS

Dr. Nancy Leveson has worked in the field of system safety for 30 years. Currently she is Professor of Aeronautics and Astronautics and also Professor of Engineering Systems at MIT. She is an elected member of the National Academy of Engineering (NAE) and has received many awards for her research on system safety and software engineering. She has published over 200 research papers and is author of the books "Safeware: System Safety and Computers" and "Engineering a Safer World".



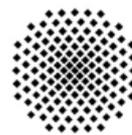
*Dr. Nancy Leveson*

Dr. Sidney Dekker is an internationally known author and expert in human error and safety. He is currently a Professor at Griffith University in Brisbane, Australia where he is director of the Safety Science Innovation Lab. Dr. Dekker is world renowned for his ground-breaking work in safety issues, and he is a best-selling author of several books on safety and the culture that surrounds it, including his latest book "Safety Differently".



*Dr. Sidney Dekker*

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