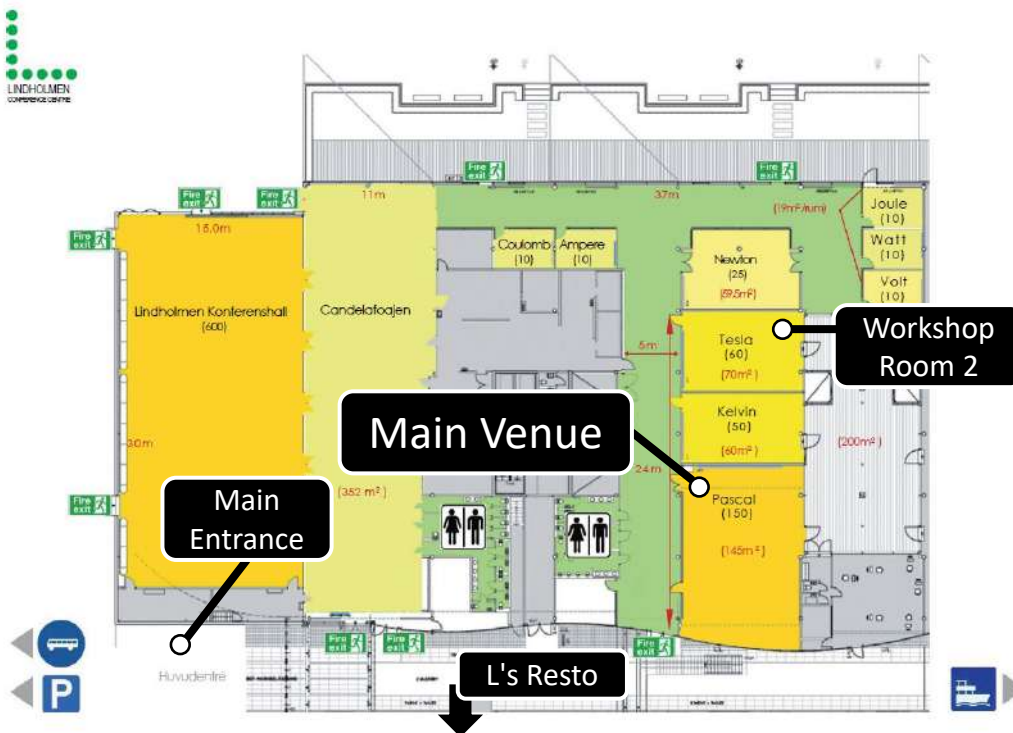




Scandinavian Conference on Systems and Software and Safety 2021

Warm welcome to the Scandinavian conference on safety critical systems and software, a central meeting place for Scandinavian safety experts from industry, public and academic organizations. This year we are back in Gothenburg in collaboration with SAFER Vehicle and Traffic Safety Centre at Chalmers and starting up an academic track together with MDPI Safety.

Venue Map (with Emergency Exits)



Dinner Sponsor

Volvo Autonomous Solutions

We develop commercially viable solutions for on- and off-road applications. Our autonomous solutions make our customers' operations more safe, productive and sustainable.

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Tuesday 23/11, Plenary day

8:30- Registration and Coffee



Fredrik Asplund, KTH
Magnus Granström, SAFER
Even-André Karlsson, Addalot

Time	Content	Presenter
09:00-09:15	Welcome and introduction	Fredrik Asplund, KTH Magnus Granström, SAFER Even-André Karlsson, Addalot
09:15-10:15	Keynote: BOEING 737 MAX	Sven E Hammarberg, BVR
10:15-10:35	Break	
10:35-11:05	AMLAS: Assurance of Machine Learning in Autonomous Systems	Richard Hawkins, AAIP
11:05-11:35	Agile and Functional Safety	Johan Bergström, Agreat AB Sofie Weidenlöv, Agreat AB
11:35-12:05	Scaled Agile for Safety-Critical Systems	Jan-Philipp Steghöfer, Chalmers
12:05-13:00	Lunch	
13:00-14:00	Keynote: Safety, complexity, AI and automated driving - holistic perspectives on safety assurance	Simon Burton, Fraunhofer
14:00-14:30	Safety Process for Different Legislation	Per Johannessen, Volvo Group
14:30-15:00	Break	
15:00-15:30	Bridging the gap between functional safety and software development for safety critical systems	Mattias Lindgren, Combitech AB
15:30-16:00	Safety Argumentation of Autonomous Drive Function	Ali Nouri, Volvo Cars
16:00-16:30	BOAUT Project - Marine Assurance	Johan Holmqvist, Carmenta



Sven E Hammarberg
BVR Academy & Investigations



Richard Hawkins
AAIP



Johan Bergström
Agreat AB



Sofie Weidenlöv
Agreat AB



Jan-Philipp Steghöfer
Chalmers



Simon Burton
Fraunhofer



Per Johannessen
Volvo Group



Mattias Lindgren
Combitech AB



Ali Nouri
Volvo Cars



Johan Holmqvist
Carmenta



Fredrik Törner
Volvo Cars

18:00- Conference dinner at **Lindholmen's Resto** (Lindholmospiren 5)

Wednesday 24/11, Workshop day

08:30-09:30 Introduction, and Keynote: Fredrik Törner, Volvo Cars: The Automotive Safety Confusion – What's the fuzz with Functional Safety, SOTIF and Positive Risk Balance?

	Venue: Pascal	Venue: Tesla
Morning 09:30-12:30	<p>Automated driving level 3 and 4 – How to argue safety and what counts as evidence? by Fredrik Sandblom (Volvo Group)</p> <p>Automation affects everyone and the potential social benefits with self-driving vehicles are huge, partly through increased traffic safety. What happens when you implement a new technology where all the possible problems that can occur during usage are not yet known? How do you set up your research and development then, and what can you learn from other areas?</p>	<p>MBRASA Safety Analysis, by Heike Schneider (Syntell)</p> <p>Current functional safety standards (e.g., ISO26262), focus on single vehicles, machines etc. The new challenge is to conduct risk assessments to encompass multiple vehicles or machines where parts of the end-to-end function reside in the edge and where communication is done wirelessly. The MBRASA project will provide a workshop on safety analyses for systems-of-systems in relation to industrial best practice.</p>
	12:30-13:30 Lunch at Lindholmen's Resto (Lindholmospiren 5)	
Afternoon 13:30-16:30	<p>Safety Cultures in Automotive, by Daniel Skarin, Per Johannessen (Volvo Group)</p> <p>Safety Cultures are important to ensure safety at the same time as it is less tangible. This workshop will dive into how safety cultures for different roles affect operational safety. Roles includes product developers, line managers, project managers, drivers, operators and other users such as traffic participants. We will primarily cover road vehicles, both off and on road, at the same time as we invite other domains to contribute. The specific purpose to address after understanding different safety cultures is to see how safety cultures can be improved for the different roles.</p>	<p>Safety for Testing Autonomous Vehicles at Existing Proving Grounds, by Erik Frick (AstaZero), Johan Degerman (SafeRadar), Marvin Damschen (RISE), Anders Thorsén (RISE), Arvid Pearson (Volvo Cars)</p> <p>Proving ground facilities around the world face a new challenge: how to include testing of autonomous driving (AD) vehicles into their normal testing practices. Today, the core component that keeps testing safe is a skilled, trained and experienced human test driver. However, many future self-driving vehicles will literally not have room to fit a human test driver. This workshop will focus on the monitoring of proving grounds to enable safe testing of manually and autonomously driven vehicles.</p>

Morning 09:30-12:30

Afternoon 13:30-16:30