

Invitation

SAFER Reference group meeting

November 7, 2017

Special invitation only!



SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

OUR SAFER PARTNERS

Together for safe mobility.

- Chalmers University of Technology
- Halmstad University
- KTH Royal Institute of Technology
- RISE (Research Institutes of Sweden)
- Institute of Transport Economics (TØI)
- University of Gothenburg
- Swedish National Road and Transport Research Institute (VTI)
- *Mälardalen University*
- *University of Borås*
- *University of Skövde*
- *University of Umeå*

Society

- City of Gothenburg
- Swedish Transport Administration
- Swedish Transport Agency
- Region Västra Götaland - *financier*

Academy & Institutes

Industry

- Autoliv Development
- Combitech
- Cycleurope
- Folksam
- If Insurance
- Lindholmen Science Park
- NEVS (National Electric Vehicle Sweden AB)
- Scandinavian Automotive Suppliers (FKG)
- Volvo Car Corporation
- Volvo Group
- *Malmeken*
- *Mediamobile / V-Traffic*
- *Trivector*
- *Zenuity*
- *Uniti*
- *ÅF*

Cursive: members / associated partners



SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS



SAFER's vision

Excellent inter-disciplinary research, innovation and collaboration to secure close to zero accidents and injuries in traffic and enable Sweden to hold global leadership in traffic safety.

Traffic safety will be a key factor for implementing a sustainable, connected automated traffic system.



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VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS



AGENDA NOVEMBER 7

08:30-10:30	Systems for accident prevention (room Aldman) Care & Rescue (room Bohlin)
10:30-11:00	Coffee, refreshments and networking
11:00-11:50	Common information (lunch room) Short information from the five Research areas SAFER update with Magnus Granström
11:50-12:30	Lunch (on own behalf)
12:30-14:30	Human body protection (room Bohlin) Road user behaviour (room Aldman) Safety performance evaluation (Zwahlen)
14:30-15:00	Networking with coffee and something sweet

You will be able to join the meeting via Skype if preferred. Please inform your Research area director.



THE SAFER RESEARCH AREAS

One mission, five research areas. *Our five research areas represent world-class, multi-disciplinary research – all with the single-minded vision to save lives, prevent injuries and enable safe mobility.*

Systems for accident prevention



Road user behaviour



Human body protection



Care and rescue



Safety Performance evaluation



THE MEETING SET-UP

The research at SAFER is conducted in **research areas**, each with a governing *reference group*, led by a Research Area Director (RAD), which is supervising the project portfolio. The research areas are the formal arena for partners to meet and identify key issues and initiate needs-driven research. The reference groups include one representative from each SAFER partner (partner level 1 & 2) and representatives from the competence areas. The group is the base for establishing world-class competitive project portfolios.

The reference groups are responsible for development of road maps, which is considered to be the vision for SAFER's research agenda. Projects are initiated, discussed in the respective reference groups and recommended to the Management Group and the Board.

The reference groups meet four times per year to discuss projects and project ideas. Those meetings are organized together with all research areas to make the meetings more efficient and reduce travel time for people attending in several groups. The reference groups also meet two additional times per year to discuss road maps and communication activities. Networking is an important part of the meetings.



SYSTEMS FOR ACCIDENT PREVENTION

*How can active systems and automation predict and prevent collisions?
This research area covers the development of automated functions that
help the driver to avoid hazardous situations.*

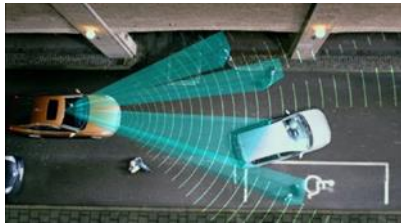
This research area includes e.g.:

- Active safety systems
- Semi-autonomous and fully autonomous vehicles
- Connected traffic systems where infrastructure, vehicles and vulnerable road users interact to enhance safety.

Research area director



Christian Grante
Volvo Group



ROAD USER BEHAVIOUR

How do people behave in traffic and how can we support them to act safer? Taking a deep, wide approach in the area of human behaviour, this research area is about developing scientific methods and tools to create prerequisites for safe driving.

This research area includes e.g.:

- Development of methods and tools to investigate driver state and behaviour
- Prerequisites for safe driving and risk management
- Autonomous driving support
- Human machine interaction
- Driver education and training



Research area director



Tania Dukic Willstrand
VTI



HUMAN BODY PROTECTION

How do we best protect people in a crash? SAFER continuously develops this research area with the aim to understand and develop principles for countermeasures to prevent injuries in accidents.

This research area includes e.g.:

- Biomechanical injury mechanisms
- Principles for protection, to mechanical and mathematical road user and car occupant models for the complete crash sequence.
- Structural requirements regarding crashworthiness
- Modelling and simulation tools for understanding how composite structures act in crashes.

Research area director



Lotta Jakobsson
Volvo Cars



CARE AND RESCUE

What actions after a traffic accident are the most efficient in reducing mortality and injury severity? This research area addresses challenges for all road users related to what happens after a traffic accident is a fact.



This research area includes e.g.:

- Improved incident detection and assessment
- Improved on-scene care and rescue and, including safety for rescue personnel
- Reducing secondary long-term effects of traffic accidents

Research area director



Bengt Arne Sjöqvist
Chalmers



SAFETY PERFORMANCE EVALUATION

How do we develop the best methods for predicting and assessing real-world vehicle and traffic safety? In this research area we focus on the development of innovative methods to manage and analyse field data and assessment procedures for safety performance using data from both real and virtual environments.

This research area includes e.g.:

- Accident data analysis
- Naturalistic driving studies
- Field operational tests
- Method development
- Standardisation for data recording, data sharing and other general aspects of data analysis



Research area director



Torbjörn Andersson
Autoliv



REFERENCE GROUP MEETINGS

Welcome to the meetings for 2017! Formal invitations will be sent out to the people that are going to attend in the reference groups. The set dates are:

- *March 1*
- *June 1*
- *September 27*
- **November 7**

The dates for 2018 will soon be communicated.

