



7th International Conference on

# Driver Distraction and Inattention

Disconnected drivers during manual, assisted, and automated driving

Online

18-20 October 2021

## BOOK OF ABSTRACTS



The DDI2021 conference will take place online on 18-20 October 2021

Co-organisers:



UNSW





## About DDI2021



The International Conference on Driver Distraction and Inattention (DDI2021) is the primary international event on this topic, attracting delegates from more than 20 countries. It is designed to bring participants – from academia, industry and government – up-to-date on current and recent developments and trends in the field of inattention and distraction in driving.

The conference topics include theory, measurement, effects, crash risks, and prevention/mitigation related to driver distraction and

inattention. Moreover, DDI2021 will focus on the driver/occupant status. Participants are invited to present and discuss work covering disconnected drivers in assisted (drowsiness, out-of-the-loop, overreliance), and in autonomous vehicles (sleeping, take overs, etc).

The conference features keynote speakers and sessions.

Co-chairs:

- Dr Corinne Brusque, Université Gustave Eiffel, France
- Dr Marie-Pierre Bruyas, Université Gustave Eiffel -TS2-LESCOT, France
- Prof Michael Regan, University of NSW, Sydney, Australia
- Dr Jonas Bårgman, SAFER Vehicle and traffic safety centre at Chalmers University, Sweden

Organising committee :

- Dr Alexandra Fort, Université Gustave Eiffel -TS2-LESCOT, France
- Dr Christophe Jallais, Université Gustave Eiffel -TS2-LESCOT, France
- Malin Levin, SAFER Vehicle and traffic safety centre at Chalmers University, Sweden
- Lucile Mendoza, Humanist VCE
- Dr H el ene Tattgrain, Universit  Gustave Eiffle -TS2-LESCOT, France





Université Gustave Eiffel is a multidisciplinary university of national importance. It also has the distinction of being the first institution to bring together a research institute, a university, a school of architecture and three engineering schools. By pooling its many strengths in the areas of education and research, Université Gustave Eiffel aims

to develop by pursuing a strategy based on complementarity between its founding institutions. By creating better synergies in this way, the university can offer the groups it serves a wider range of expertise. Educating young people, employees or citizens at all levels, providing the whole of society with scientific insights – the ultimate aim of Université Gustave Eiffel is to help raise everyone's level of qualification.

Université Gustave Eiffel is active in many areas of research. In particular, it accounts for a quarter of French research on the cities of tomorrow and brings together multidisciplinary capabilities to conduct quality research for the benefit of society, offer education tailored to the social and economic world and support public policies.

The institution's main remits are:

- Initial and in-service education, with a strong focus on apprenticeship education.
- Research (fundamental and applied) and innovation.
- Expert appraisals, public policy support and standardisation.
- Openness to society and international cooperation.



SAFER Vehicle and Traffic Safety Centre

at Chalmers is a competence centre where 44 partners from the Swedish automotive industry, academia and authorities cooperate to make a centre of excellence within the field of vehicle and traffic safety.

Research at SAFER spans a broad base, covering several disciplines and encompassing both safe mobility and vehicle safety in real environments. The centre's activities engage the very elite in the field of safe transport solutions, and the results contribute to increasing the competitive advantages of the partner companies and organisations. Chalmers University of Technology hosts the centre. By using the multidisciplinary scientific competence available within the centre, we make it a hub for excellent research and knowledge dissemination. Read more at <https://www.saferrresearch.com/>



UNSW

UNSW Sydney is a powerhouse of cutting-edge research, teaching and innovation.

We are one of the top 100 universities in the world, with more than 59,000 students and a 7,000-strong research community. Located in Sydney, Australia's largest city, the University was established in 1949 with a unique focus on the scientific, techno-

logical and professional disciplines.

UNSW is committed to making a difference by focusing on areas critical to the future. Pioneering research and sustained innovation are addressing some of the most important issues of today – from climate change and renewable energies to lifesaving medical treatments and breakthrough technologies. In the social sciences, UNSW research informs policy and expert commentary in issues facing society, ranging from human rights and constitutional recognition of Indigenous Australians to public health and population ageing.

UNSW offers an extensive range of undergraduate, postgraduate and research programs. We are expanding our education and reaching more students from all backgrounds and communities around the world.

The main UNSW campus is located on a 38-hectare site at Kensington, seven kilometres from the centre of Sydney. Other major campuses are Art & Design in Paddington and UNSW Canberra at the Australian Defence Force Academy.