

IEA Technical Committee Update:



Transport Ergonomics and Human Factors (TEHF)

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Credit: Colin Ryan /Facebook

Human Factors in International Regulations for Automated Driving Systems (HF-IRADS)

HF-IRADS operates at the United Nations in affiliation with the IEA. It brings together human factors experts from across the world to support UNECE activities on the safety of automated driving systems.

HF-IRADS Steering Committee:

Oliver Carsten (Chair, UK)
Rino Brouwer (Co-chair, NL)
Marieke Martens (NL)
Joanne Harbluk (CA)
Peter Burns (CA)
Satoshi Kitazaki (JP)
John Lee (US)

HF-IRADS Members:

Linda Ng Boyle (US)
Boris van Waterschoot (NL)
Klaus Bengler (DE)
Alexandra Mueller (US)
Charles Green (US)
Natasha Merat (UK)
Michael Regan (AU)
Antonella Toffetti (IT)
Katja Kircher (SE)
Azra Habibovic (SE)
Andreas Keinath (DE)
Bobbie Seppelt (US)
Ebru Dogan (FR)



- **UNECE WP.29 - World Forum for the Harmonization of Vehicle Regulations**
- **UNECE WP.1 - Global Forum for Road Traffic Safety**

HF-IRADS Activities in 2022

- Continued input to UNECE WP.1 Informal Group of Experts on Automated Driving (IGEAD) (e.g., human factors challenges for remote driving, activities other than driving)
- Human-centred design guidelines for ADS <https://unece.org/transport/documents/2022/08/informal-documents/human-factors-principles-guide-design-standards-and>
- WP.1 Panel on human factors <https://unece.org/transport/events/wp1-global-forum-road-traffic-safety-85th-session>
- Contributing to user stream of UNECE WP.29 Functional Requirements for Automated Vehicles (FRAV) which is specifying the user requirements for ADS <https://wiki.unece.org/download/attachments/186516418/FRAV-32-04.pdf?api=v2>
- Panel at 7th International Conference on Traffic and Transport Psychology (ICTTP) on *Designing and Testing HMI for AVs* <https://www.icctp7.se/>

Upcoming

- Position paper on External HMIs (eHMI) for automated vehicles
- Planning to provide HF input to *SAE J3016 Recommended Practice: Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles* https://www.sae.org/standards/content/j3016_202104/

SAVE THE DATE



27thESV 2023
YOKOHAMA, JAPAN



27th International Technical Conference on
the Enhanced Safety of Vehicles

Date: April 3-6, 2023

Venue: PACIFICO Yokohama North

<https://www.27esv.org/>