

Preliminary programme HFES Europe 2024

Tuesday April 16		
18:00-20:00	Registration (IMIS Uni Lübeck)	
18:00-20:00	Welcome Reception & Lab Tour (IMIS Uni Lübeck)	
Wednesday April 17		
08.15 - 09.00	Registration, coffee	
09.00 - 09.30	Opening	TBA
09.30 - 10.50	Session Sustainability and Human Factors	<i>Chair: TBD</i> Affil.
09.30 - 09.50	Perceived sustainability and acceptance of carbon-reinforced concrete – Results of scenario-based vignette experiments	Christian BÖFFEL RWTH Aachen University, Germany
09.50 - 10.10	Immersive urban planning: Infusing virtual reality into citizen participation for amplified engagement and sustainable planning	Marc SCHWARZKOPF Chemnitz University of Technology, Germany
10.10 - 10.30	Weathering the Storm: Human Factors Interventions in Railway System Resilience	Richard BYE Network Rail, UK
10.30 - 10.50	Using Optimal Speed Signals in HMIs to Improve Ecodriving in Electric Vehicles - A	Markus GÖDKER University of Lübeck, Germany
10.50 - 11.20	Coffee/Tea	
11.20 - 12.40	Session Human-AI interaction 1	<i>Chair: TBD</i> Affil.
11.20 - 11.40	Proven and accepted: Do mathematical proofs for AI algorithms increase acceptance in non-	Alina TAUSCH Ruhr University Bochum, Germany
11.40 - 12.00	Comparison of team emergent states between all-human teams and human-AI teams	Michèle RIETH University of Bremen, Germany
12.00 - 12.20	The Role of Explainability in Dynamic Human-AI Interaction	Eileen ROESLER George Mason University USA
12.20 - 12.40	Exploring affective states and trust in a faulty chatbot	Tabea BERBERENA University of Stuttgart, Germany
12.40 - 13.40	Lunch	
13.40 - 15.00	Session Transportation	<i>Chair: TBD</i> Affil.
13.40 - 14.00	A Field Study of Augmented Reality for Collaborative Ship Navigation	Floris VAN DEN OEVER University of Bergen, Norway
14.00 - 14.20	The effect of multiple camera feeds on task performance, usability and attention allocation in Remote Train Operation	Nicole GOOSSENS Dutch Railways, The Netherlands
14.20 - 14.40	Development and Evaluation of a Checklist for a Specific Non-Normal Situation in Electronic Interlockings	Justin ADAM Technische Universität Berlin, Germany
14.40 - 15.00	Avoiding automation bias through critique? Experimental evaluation of a decision-support critiquing system for UAV task delegation	Marius DUDEK Universität der Bundeswehr München, Germany
15.00 - 15.30	Coffee/Tea	
15.30 - 16.30	Session Aviation	<i>Chair: TBD</i> Affil.
15.30 - 15.50	Applying the Human System Exploration Modell to develop the AI-Based Flight Deck Decision	Jakob WÜRFEL DLR, Germany
15.50 - 16.10	Analysis of human and organizational factors of serious events involving aircraft from the French state aircraft fleet: preliminary results from a retrospective study from 2010 to 2020	Anthony VACHER Armed Forces Biomedical Research Institute, France
16.10 - 16.15	Keynote Intro	Thomas Franke
16.15 - 17.15	Keynote: Robotics Quo Vadis?	Sabine KÖSZEGI, TU Wien
17:30 - 18:30	Hansemuseum Tour/Visit	
18:30 - 19:15	Europe Chapter HFES Business Meeting [executive council, chapter members are welcome]	

Thursday April 18		
09.00 - 10.40	Session Maritime Human Factors	<i>Chair: TBD</i> Affil.
09.00 - 09.20	The role of human factors in safety of inland vessels	Magnus LIEBHERR University of Duisburg-Essen, Germany
09.20 - 09.40	To sea, or not to sea, that is the question: Evaluating eye-tracking as didactical support and facilitator of tacit knowledge transfer in simulator-based maritime pilot training	Rikard EKLUND Chalmers University of Technology, Gothenburg, Sweden
09.40 - 10.00	The transformation of a safety culture: Implementation of Safety-II	Thomas KOESTER FORCE Technology, Denmark
10.00 - 10.20	Watchstanding on naval vessels: Are rotating or fixed schedules better?	Panagiotis MATSANGAS Naval Postgraduate School, Monterey, CA, USA
10.20 - 10.40	Evaluation of a four-section maritime watch schedule design and the question of rotation	Stefan RÖTTGER Naval Institute of Maritime Medicine, Germany
10.40 - 11.10	Coffee and tea	
11.10 - 12.30	Session Human-AI interaction 2	<i>Chair: TBD</i> Affil.
11.10 - 11.30	Meta-Defined Virtual Humans and Moderated Multiparty Dialogues: A Novel GPTs Agent Architecture	Frank JOUBLIN Honda Research Institute Europe GmbH, Germany
11.30 - 11.50	From Human-Automation and Human-Autonomy Teaming to Human-AI Teaming: Should, Want, Can, Do and be Accountable in	Frank FLEMISCH RWTH Aachen University, Germany
11.50 - 12.10	Train your robot in AR: investigating user experience with a continuously learning robot	Anna BELARDINELLI Honda Research Institute Europe, Germany
12.10 - 12.30	Learning, Troubleshooting, Teaching: When and why do healthcare professionals read instructions for use	Stephanie SCHWENKE Use-Lab GmbH, Germany
12.30 - 13.30	Lunch	
13.30 - 14.50	Session Human Factors Methods	<i>Chair: TBD</i> Affil.
13.30 - 13.50	Hazard perception and attention of track safety supervisor as a function of working time	Shay ASARAF Ben-Gurion University of the Negev, Israel
13.50 - 14.10	Spare visual capacity and driver inattention: Comparing simulator and naturalistic driving data	Abhishek SARKAR University of Jyväskylä, Finland
14.10 - 14.30	Investigating the effect of salience and effort on the prediction of attentional distribution: A SEEV model analysis in the context of anaesthesiology	Robin ABENDSCHEIN Julius-Maximilians Universität Würzburg, Germany
14.30 - 14.50	Comprehensibility and effectiveness of adapted beach safety flag designs	Fenne ROEFS Vrije Universiteit Amsterdam/ Mijksenaar BV, The Netherlands
14.50 - 15.20	Coffee and tea	
15.20 - 16.20	Session Road Transport	<i>Chair: TBD</i> Affil.
15.20 - 15.40	The Wave Driving Course	Antonio LUCAS-ALBA University of Zaragoza, Spain
15.40 - 16.00	The use of smart glasses in the driving context under different distraction conditions	Nikita SHARMA Leibniz Research Centre for Working Environment and Human Factors at Dortmund University, Germany
16.00 - 16.20	Nudge based interventions to improve equity of	Jesse RUMBALL SMITH

	road safety	Wellington College New Zealand
16.20-16.40	Eyes on the screen, feet on the street: How pedestrians adapt their crossing and gaze behaviour when using a smartphone	Mirjam LANZER Ulm University, Germany
16.40-17:15	Talking Poster Session	TBA Affil.
17:15-18:30	Poster session, authors present at their poster	

20:00	Conference dinner
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Friday April 19		
09.00 - 10.40	Session Highly Automated Vehicles	<i>Chair: TBD</i> Affil.
09.00 - 09.20	How do occupants perceive automated driving depending on seating position and non-driving related tasks?	Pia WALD CARIAD SE, Germany
09.20 - 09.40	User Perspective on Highly Automated Shuttle Buses in Rural Areas	Nadine RAUH Chemnitz University of Technology, Germany
09.40 - 10.00	Enhancing Usability for Older Users in an Autonomous Car: Insights from the autoELF Stud	Kerstin KUHLMANN TU Braunschweig, Germany
10.00 - 10.20	What could possibly go wrong? Using Human Factors and Ergonomics methods to assess the risks associated with advanced artificial intelligence	Paul SALMON University of the Sunshine Coast , Australia
10.20 - 10.40	Automatic cars as role models for human drivers? A driving simulator study	Helene WALTER Technische Universität Braunschweig, Germany
10.40 - 11.15	Coffee and tea	
11.15 - 12.45	Session HMI and UX	<i>Chair: TBD</i> Affil.
11.15 - 11.35	Can a Virtual Break Room help to improve Relaxation and Performance for Air Traffic Service Officers?	Iosif CHAMOUNTA DLR, Germany
11.35 - 11.55	Countering sedentary behaviour – how adaptive feedback can increase standing desk usage	Felix SIEBERT Technical University of Denmark
11.55 - 12.15	User experience of Virtual Reality as a tool for knowledge work	Cecilia BERLIN Chalmers University of Technology, Sweden
12.15 - 12.35	Evaluation of pilot spare capacity through control activity	Lauren DUGGAN University of Liverpool, UK
12.30 - 12.45	Awards and Conference Closing	
12.45 - 14.00	Lunch	

14:15-16:00	City Tour
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Posters

Better Training - Better Takeover? About the Impact of Knowledge on Takeover Reactions in Automated Driving	Tanja STOLL, Human Factors Psychology, ZHAW, Zurich, Switzerland
"AVATAR" - Anonymizing Personal Health Data by Creating Digital Avatars in Medicine and Care	Sven BOCK, German Aerospace Center - Institute of Data Science, Germany

The use of vitamin C in seasickness and visually induced motion sickness - a randomised placebo-controlled trial in sailors	Andreas KOCH, Christian-Albrechts-Universität zu Kiel, Germany
Minimal risk manoeuvre communication in highly automated shuttles via internal human-machine interfaces using media richness for user-centred interface design	Thorben BRANDT, German Aerospace Center (DLR), Germany
Railway remote driving. Reactions times and decision making of train operators	Beatrice SCHMIEDER, TU Chemnitz, Germany
Boosting Perception of Relevant Road Users Under Adverse Weather Conditions: Evaluation of a Human-Machine Interface for Remote Assistants of Highly Automated Vehicles	Andreas SCHRANK, German Aerospace Center (DLR), Germany
The effects of side lesion. Drivers with a left hemisphere stroke show the lowest Hazard Prediction accuracy	Cándida CASTRO, CIMCYC (Mind, Brain and Behaviour Research Centre), Spain
Towards Performance Prediction. Exploring Physiological Indicators of Process Control Operators' Motivational State	Sebastian PÜTZ, RWTH Aachen University, Germany
Job requirements for future train drivers. A job analysis	Panja GOERKE, DLR, Germany
Guardians of the SAV – Security Measures for the Interior of Shared Automated Vehicles	Fabian SCHLICHOTHERLE, University of Stuttgart, Germany
AI-assisted control in network operations	Samira HAMOUCHE, University of Applied Sciences and Arts Northwestern Switzerland
Evaluation of train remote control via tablet in a model railway layout	Anja NAUMANN, DLR, Germany
Poetry is not a random set of words: a study of fidgeting as a response to vigilance decrement	Giorgia TEMPESTINI, Sapienza University of Rome, Italy
Capturing the workplace cognition of adults with dyslexia via virtual reality testing and self-reports	James Smith-Spark, London South Bank University, United Kingdom
Perceived traffic safety and the use of different types of carriers to transport children by bicycle	Michael MINGE, Technische Hochschule Ostwestfalen-Lippe, Germany
Creating a Questionnaire Assessing Usability of Medical Devices used by Healthcare Professionals	Hannah WILMSZ, Universität Münster, Germany
AR-based Navigation to Virtual Stops in Demand Responsive Transportation: Where Do Users Need Information?	Fabian Hub, DLR, Germany
The Influence of AI Transparency on SMMs and UX in Human-AI Brainstorming	Joy GEUENICH, TU Chemnitz, Germany
Driver gaze behaviour before lane changes	Marijke VAN WEPEREN, TNO, The Netherlands
Insights into the UX-focused Design of the User Interface for a Collaborative Maritime Robot	Verena STAAB, University of Duisburg-Essen, Germany
Communication between automated vehicles and pedestrians using Augmented Reality	Marc WILBRINK, DLR, Germany
Design of orthotic (helmet) for the treatment of infants with plagiocephaly	Hyeonkyeong CHOI, Yonsei University, Seoul, South Korea
Understanding and Addressing Diverse Mobility Needs: A Framework for CCAM Solutions	Madlen RINGHAND, Dresden University of Technology, Germany

Wait, What!? Improving Situation Awareness in Autonomous Driving Through Cooperation	Jürgen PICHEN, Ulm University, Germany
Distance perception in VR depends on object size and influences pointing performance	Svetlana WÄHNERT, Technische Universität Dresden, Germany
Simulator-based connected mobility research: Opportunities, challenges and solutions	Michael HILDEBRANDT, Institute for Energy Technology, Halden / Norway
Optimising Collaborative Control: The Role of Haptic Feedback in Driver-Vehicle Interaction	Nikol FIGALOVÁ, Ulm University, Germany
How to flow in manufacturing work – Rethinking gamification in designing manufacturing workplaces	Leonie KLOEP, University of Lübeck, Germany
Interaction of Autonomous Vehicles and Vulnerable Road Users: Is an Equal Treatment Fair?	Josephine HALAMA, Chemnitz University of Technology, Germany
Leveraging interactive preference learning to guide participatory design sessions	Fabian WALOCHA, DLR, Germany
Camera-monitor systems: The effect of horizontal camera displacement in on driver's gap acceptance	Elisabeth WÖGERBAUER, Johannes Gutenberg University Mainz, Germany
Advancing the CLAM Model through a Delphi Study in Collaborative Assembly Systems	Marco De Angelis, University of Bologna, Italy
“Why were you speeding?”: A Self-Confrontation Study on Awareness and Reasons for Speeding	Angèle PICCO, University of Groningen, the Netherlands
Responsible Experience Design for privacy on the web: results of an Ethical Co-Design Workshop	Veronica HOTH, Chemnitz University of Technology, Germany
Integrating validation into VR: An in-simulation validation approach to support participatory design processes in virtual reality	Duc LE, DLR, Germany
External Human-Machine Interfaces for Interactions of Pedestrians with Highly Automated Vehicles in more Complex Road Traffic Scenarios: Can AR-based Interfaces Help?	Michael OEHL, DLR, Germany
The role of system and situation complexity during the usage of new ADAS systems	Claudia BUCHNER, Ulm University/ BMW Group, Germany
Executing organizational control in the management of primary care medicines	Denham PHIPPS, The University of Manchester, UK
Crafting Tomorrow's Workplaces: Unleashing the Potential of Human-AI Teams in Safety-Critical Professions	Sophie BERRETTA, Ruhr-University Bochum, Germany
Developer and User Perspectives in Human-Robot Collaboration: Insights from the EU Horizon FELICE Project	Melanie KARTHAUS, Leibniz Research Centre for Working Environment and Human Factors, Dortmund, Germany
Concept for a future digital co-pilot from a teamwork perspective	Anne PAPENFUSS, DLR, Germany
Situational Control in Dynamic Environments reflected by Eye-movement Behaviour	Nils HEINRICH, Universität zu Lübeck, Germany
Cogito ergo sum	Thomas SIEVERS, University of Lübeck, Germany
Questioning Trust in AI Research? Exploring the Influence of Trust Assessment on Reliance in AI-assisted Decision-Making	Tim SCHRILLS, University of Lübeck, Germany

User Participation in the Design of Trustworthy Human-AI Collaboration in Air Traffic Control	Carmen Bruder, DLR, Germany
CoSy: An AI-Enhanced Learning Assistant for Communication Training of Future Health Providers at the University of Lübeck	Martina OBST, University of Lübeck, Germany
A proposal for the concept of Pro-adaptive Cognitive Assistive Technology	André KRAUSE, Rhine-Waal University of Applied Sciences, Germany
Interactions, Tasks, and Roles of AI-Systems in Anaesthesiology – A Team Perspective	Stephan HUBER, Julius-Maximilians University Würzburg, Germany
Using human motion prediction for path planning of mobile robots	Edgar SCHERSTJANOI, TU Dresden, Germany
Effects of a cognitive modelling approach on the transparency of robot behaviour	Alexander WERK, TU Berlin, Germany
Emotion Recognition and Situational Awareness: Key factors for successful Human-Robot Interactions	Sina SCHOLZ, Universität zu Lübeck, Germany
Chatbot-supported coaching in organizations: A field study	Silja KOTTE, University of Applied Sciences Aschaffenburg, Germany
Systematic Review on Executive Functions and the Adaptation to New Technologies	Eva GOESSWEIN, University of Duisburg-Essen, Germany
Biomedical Engineers' Attitudes Towards the Role of Human Factors in the Product Development Process for Catheter-based Therapies	Gráinne TYRRELL, University of Limerick, Ireland
What distracts healthcare professionals in their day-to-day work?	Stephanie SCHWENKE, Use-Lab GmbH, Germany
The role of Human Factors in Human-Robot Interaction: Experiences from healthcare, education, and workplace settings	Alexandra FERNANDES, Institute for Energy Technology, Norway
What is required for human-centred design in primary care medicines management?	Denham PHIPPS, The University of Manchester, UK
Giving up on privacy? Impact of resignation, social norms and privacy indications on app data disclosure	Jennifer KLÜTSCH, RWTH Aachen University, Germany
SmartUse – Developing and validating a short scale for assessing users' perceived mobile app usability	Lana MOHR, Chemnitz University of Technology, Germany
Exploring multimodal human-machine interfaces to warn distracted and older drivers of crossing pedestrians	Sandra TRÖSTERER, Virtual Vehicle Research GmbH, Austria
The Effects of Nuisance Alarms on Trust in App-Based Warning Systems	Mira VON DER LINDE, University of Münster, Germany
The influence of AR-design aspects on intrinsic cognitive load and secondary tasks	Lisa THOMASCHEWSKI, Ruhr University, Germany
Comparison of a test track and a video study on drivers' gap acceptance as a basis for intuitive automated vehicle driving functions	Ann-Christin HENSCH, Chemnitz University of Technology, Germany
Evaluation of the effectiveness of advanced distraction warnings triggered by driver monitoring systems to mitigate visual distraction	Ina KONIAKOWSKY, Chemnitz University of Technology/BMW, Germany
Neuroergonomic workload analysis for mobile workplaces using EEG	Julian REISER, Leibniz Research Centre for Working Environment and Human Factors, Germany
Attention and crash involvement – an in-depth analysis	Mette Møller, Technical University of Denmark

Robotic arm simulator for training machine operators and evaluating control capabilities: Design and experimental validation of closed-loop controlled aiming movements	Felix DREGER, Leibniz Research Centre for Working Environment and Human Factors (IfADo), Germany
Multitasking while driving: The effects of cognitive load on decision making while driving	Moritz HELD, University of Oldenburg, Germany
A neural network to determine train operator's compliance with driver advisory systems	Gina SCHNUECKER, DLR, Germany
Cybersecurity within Organizations: Proposal of a Cybersecurity Activity Analysis Model	Ayoub BOURHIM, Université Bretagne Sud, France
Auditory Detectability and Evaluation of Mobile Robots in Social Environments: Findings from a laboratory experiment and outlook to a follow-up field study	Marlene WESSELS, Johannes Gutenberg-Universität Mainz, Germany
Will they, or won't they? – Factors for Anticipating Pedestrian Crossing Decisions for Improved Traffic Safety and Passenger Comfort in Automated Driving	Adelina BERKEMEIER, Chemnitz University of Technology, Germany
Measuring human sensitivity to foam stiffness in car seats	Pius SONNBERGER, Virtual Vehicle Research GmbH, Austria
Perceived degree of crowding and quality of public transport: The importance of including the third gender	Malte PETERSEN, DLR, Germany
Understanding Human Ability and Intention to improve Cooperative Automated Driving Takeovers following a Pattern Approach	Marcel USAI, Fraunhofer FKIE, Germany
Exploring How Pedestrians React to Robots in Public Spaces: An Eye Tracking Study in the Field	Zhe ZENG, Ulm University, Germany
Drone size matters: The impact of the size of unmanned aerial vehicles in overflight scenarios on risk assessment in the manufacturing context	Olga VOGEL, Ruhr University Bochum, Germany
"Is this how you like it?" Influence of traffic context on the perception of appropriate driving performance in automated vehicles	Marty FRIEDRICH, Chemnitz University of Technology, Germany
Potayto, Potahto? Construct validation of job insecurity with digitalization context	Marvin WALCZOK, Industrial and organizational psychology, Institute of Psychology, Heidelberg University, Germany
Towards a Level of Automation Experience Taxonomy	Tilo MENTLER, Trier University of Applied Sciences, Germany
Teamwork in future control room systems - perspectives from individuals in academia, industry, and operation	Signe SVENSSON, Chalmers University of Technology, Sweden
Musculoskeletal Disorders(MSDs) in Automobile Repair Centres in Korea	Chol-Hong Kim, Incheon National University, South Korea
Effects of sequential human redundancy on task effort and task outcome	Helene CYMEK, Technische Universität Berlin, Germany