



2026

AHFE

International

**17th International Conference on
Applied Human Factors and
Ergonomics (AHFE 2026) and the
Affiliated Conferences**

Final Program

20-24 July, 2026

**Fenerbahçe University
Istanbul, Türkiye**

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CONFERENCE EXHIBITION

BOOTH	EXHIBITOR
101	 Pupil Labs GmbH
102	 FBU FENERBAHÇE ÜNİVERSİTESİ
103	 Technische Universität Berlin
104	 Springer Journal of Human-Intelligent Systems Integration

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POSTER/DEMONSTRATION SESSIONS

WEDNESDAY, JULY 22, 2026	
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Opening Plenary Session and Keynote Address

17:30-18:30 (GMT+3), Tuesday July 21, 2026

Grand Ballroom
Sheraton Grand Istanbul Atasehir

Opening Remarks

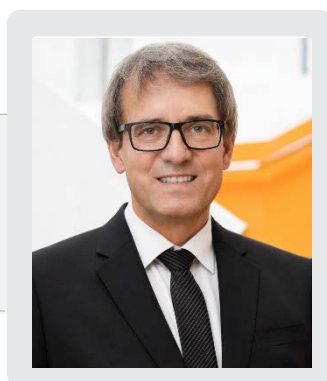
17:30-17:45 (GMT+3), Tuesday July 21, 2026

Opening Remarks

Prof. Waldemar Karwowski, General Chair

Keynote Address

**DIGITAL TWINS AI SYSTEM ANALYSIS
(DAISY): DIGITAL TWINS FOR THE
ANALYSIS AND CHARACTERIZATION OF
COMPLEX SYSTEMS**



Prof. Stefan Wolfgang Pickl, PhD, D.Sc.

DKKV, COMTESSA, Universität der Bundeswehr, Munich, Germany

Speech Summary: As part of the research project »OPERA - Future Operations« an interdisciplinary consortium develops a trend-setting interactive visualization tool DAISY to support decision makers politics, to adapt and to explore different strategies especially with the aid of digital twins. This talk gives an overview on that project DAISY. Furthermore it presents the special sector-based approach IDEA4C as part of the IRIS project:

BIO: Professor Stefan Wolfgang Pickl was born in Darmstadt, Germany on 29th September, 1967. He studied mathematics, electrical engineering and philosophy at the Technical University of Darmstadt (Diploma in 1993; ERASMUS-scholarship at the EPF Lausanne); doctor's degree at the TU Darmstadt in 1998, followed by his habilitation at the University of Cologne in 2005. Since July 2005 Dr. Pickl holds a chair for Operations Research at the UBw Munich. In 2000 Dr. Pickl received the phd-thesis award by the German Society for Operations Research; followed by international "best-paper awards" in the years 2003, 2005, 2007 and 2015. During the years 2004 to 2024 Dr. Pickl was invited for assignments as visiting-professor in the States, Asia and Europe such as with the Center for Homeland Defense and Security, CHDS. As a guest scientist Dr. Pickl was a "Visiting Scientist" in Los Alamos National Labs, in the SANDIA Laboratory, at the MIT as well as at the Santa Fe Institute for complex systems. Dr. Pickl was one of the first mathematicians who developed a model for the simulation and optimization of the CO₂-conflict. Respectively Mr Pickl was a member of the Excellence-Cluster "Energy" at the RWTH Aachen. He released more than 350 publications. Furthermore he is Honorary Professor at University of Nottingham Malaysia Campus. Since 2019, Dr. Pickl is Vice-President of the German Committee for Disaster Reduction DKKV. He is member of the counselling-board of the BBK in Germany. Since 2022 he is PI of the Topic Leadership Circle TLC in cooperation with Peter Drucker Forum, in 2026 he was awarded as senior fellow of the Peter Drucker Forum. In 2023 he was nominated as honorary member of the German Society for Operations Research. Since 2024 he is member of the German Academy of Technology acatech.

**Access to the Conference Scientific and Technical Program will be
available through the AHFE Submission System**

CONFERENCE RECEPTION/BANQUET: TUESDAY JULY 21 • 18:30-22:00 (GMT+3)

GRAND BALLROOM - SHERATON GRAND ISTANBUL ATASEHIR

ADDRESS: BARBAROS, MOR SUMBUL SOKAGI NO: 1, 34746 ATAŞEHİR/İSTANBUL, TÜRKİYE

(Badge Required - Dress is business casual)

Tutorials

Conference program schedule is listed in Istanbul, Türkiye Time (GMT+3)

PRE-CONFERENCE TUTORIALS

Half-day tutorials at introductory, intermediate, and advanced levels will cover the entire spectrum of the conference. Tutorials will be offered on Monday, July 20 and Tuesday, July 21. Tutorials registration is required.

Monday July 20, 2026

TUTORIAL GROUP A - 9:00 - 11:30 (GMT+3)		Room
T-2	Fundamentals in Data Visualization and Dashboard Design (Live Onsite) Presenter: Abbas Moallem, San Jose State University	AHFE 1
T-3	AI-assisted UX Research—How good is it really? (Live Online) Presenter: Everett McKay, UX Design Edge	AHFE 2
T-4	AI-DUXU: Adaptive Ergonomics, User Experience, and Usability in the Age of AI (Live Onsite) Presenter: Javed Sheikh, JAS Associates	AHFE 3

Monday July 20, 2026

TUTORIAL GROUP B - 12:00 - 14:00 (GMT+3)		Room
T-5	T-5: Rethinking UX Prototyping in an AI World (Live Online) Presenter: Everett McKay, UX Design Edge	AHFE 1
T-6	Human Factors and Cybersecurity (Live Onsite) Presenter: Abbas Moallem, San Jose State University	AHFE 2
T-7	Towards Data Science: Modelling Techniques in Predictive Analytics with Python (Live Onsite) Presenter: Javed Sheikh, JAS Associates	AHFE 3
T-9	Eye Tracking Methods and Applications (Recorded) Presenter: Jan Watson, Drexel University	AHFE 4

Tuesday July 21, 2026

TUTORIAL GROUP C - 9:00 - 12:00 (GMT+3)		Room
T-10	Workshop: Crafting Visually Engaging Presentations and Papers (Complimentary Workshop for All Participants) Presenter: Abbas Moallem, San Jose State University	AHFE 1
T-13	Smart Ergonomics: How AI Is Redefining the Way We Work (Live Onsite) Presenter: Javed Sheikh, JAS Associates	AHFE 2
T-14	Cognitive Neuroscience for the Human Factors Practitioner and Fundamentals of Brain Imaging (Recorded) Presenter: Adrian Curtin, Drexel University	AHFE 3
T-15	How to Influence UX Strategy and Stakeholders (Live Onsite) Presenter: Jen Romano, UXPA	AHFE 4
T-16	Ubiquitous Health Monitoring and Assessment of Human Psychophysiology Using Remote Measurement and AI (Live Online) Presenters: Abhijit Sarkar, Virginia Tech Transportation Lynn Abbott, Virginia Tech	AHFE 5

Conference Tracks

TRACK	ACRONYM
Human Factors in Accessibility, Assistive Technology and Digital Environments	AATDE
Human Factors in Artificial Intelligence and Social Computing	AISC
Affective and Pleasurable Design	APD
Transportation: Aviation and Space	AVI
Cognitive Computing in Sociotechnical Systems	CCSS
Creativity, Innovation and Entrepreneurship	CIE
Neuroergonomics & Cognitive Engineering	CN
Human Factors in Cybersecurity	CYBER
Digital Human Modeling and Applied Optimization	DHMAO
Ergonomics in Design	ED
Human Factors and Ergonomics in Healthcare and Medical Devices	EHMD
Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries	ENERGY
Global Issues Challenge: Challenges in AI at the Human Level	GIC
Medical and Health Care Applications	HCA
Human-Computer Interaction & Emerging Technologies	HCI
Human Dynamics and Design for the Development of Contemporary Societies	HDCS
Human Error, Reliability, Resilience, and Performance	HERRP
Human Factors in Aging and Special Needs	HFAS
Human Factors for Apparel and Textile Engineering	HFATE
Human Factors, Business Management and Society	HFBMS
Human Factors in Communication of Design	HFGD
Human Factors in Virtual Environments and Game Design	HFGD
Human Factors in Robots, Drones and Unmanned Systems	HFRDUS
Human Factors and Simulation	HFSIM
Human Factors, Software and Systems Engineering	HFSSE
Health Informatics and Biomedical Engineering Applications	HIBEA
The Human Side of Service Engineering	HSSE
Interdisciplinary Practice in Industrial Design	IPID
Human Factors in Industrial and Systems Engineering	ISE
Kansei Engineering	KE
Transportation: Maritime	MAR
The Human Aspects of Advanced Manufacturing: Managing Enterprise of the Future	MFG
Physical Ergonomics & Human Factors	PEHF
Human Factors in Product Evaluation and Quality	PEQ
Preventive Medicine and Innovative Agonology	PMIA
Transportation: Road and Rail	RR
Sustainable Built Environment	SBE
Human Factors in Sports, Injury Prevention and Outdoor Recreation	SIPOR
Safety Management and Human Factors	SMHF
Social & Occupational Ergonomics	SOE
Human Factors, Architecture, Sustainable Urban Planning and Infrastructure	SUPI
Human Factors and Systems Interaction	SYSI
Human Factors in Training, Education, and Learning Sciences	TELS
Universal Design and Design for Inclusion	UDDI
Usability and User Experience	UUE
Wearable Technologies and Emerging Fields	WTEF

Conference at a Glance

Conference program schedule listed in Istanbul, Türkiye Time (GMT+3)

Registration Desk and Conference Scientific and Technical Program: July 20-24, 2026

Location: Fenerbahçe University, Istanbul, Türkiye

Address: Atatürk Mah Metropol İstanbul, Ataşehir Blv., 34758 Ataşehir/İstanbul, Türkiye

#	SESSION TITLE	TRACK	ROOM
WEDNESDAY, JULY 22, 2026 - SESSION TIME: 9:00-10:30 (PAGES 1 -4)			
1	HSSE Plenary: Human Side of Service Engineering Welcome	HSSE	AHFE 1
2	Human Factors and Artificial Intelligence in Decision Support and Learning	HFBMS	AHFE 2
3	Motivation Engineering	APD	AHFE 3
4	Applied Next-Generation Concepts in Human-Centered Design and Security I	CYBER	AHFE 4
5	The Role of Human - AI Teaming in Aviation	AVI	AHFE 5
6	Architecture, Environment and Psychological Aspects	SUPI	AHFE 6
7	Kansei Design I	IPID	AHFE 7
8	AI Design Applications and User Experience I	UUE	AHFE 8
9	Cognitive Decision-Making and Human Performance from Activity Theory Perspectives	CN	AHFE 9
10	Plenary: From Quality Management to Quality Intelligence: How Digitalization, Data, and AI Are Transforming Quality in Industry 4.0	ISE	AHFE 10
11	Human Factors in Artificial Intelligence and Social Computing I	AISC	AHFE 11
12	Human Factors for Apparel and Textile Engineering	HFATE	AHFE 12
REFRESHMENTS: 10:30 - 11:00 • ROOM: FOYER			
WEDNESDAY, JULY 22, 2026 - SESSION TIME: 11:00-12:30 (PAGES 4- 8)			
13	Bridging Translational Gaps for Enhancing Human Well-Becoming I	HSSE	AHFE 1
14	Metaverse, Virtual Environments and User Experience I	HFGD	AHFE 2
15	Design Evaluation and User Perspective: Transportation and Digital Resources	UUE	AHFE 3
16	Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries	ENERGY	AHFE 4
17	The Role of Emerging Technologies in Transportation Safety	HERRP	AHFE 5
18	Innovations in Sustainable Industry I	SBE	AHFE 6
19	Design Methods	ED	AHFE 7
20	Occupational Risk Management and Work-Related Injuries	SMHF	AHFE 8
21	Human Trust, Reliance, and Performance in AI-Enabled Systems	GIC	AHFE 9
22	Industry 4.0 and Data Analytics: Enhancing Design, Reliability, and Sustainability	ISE	AHFE 10
23	Optimizing Learning and Performance I	TELS	AHFE 11
24	Innovations in Digital Technology for Cultural Heritage in Communication I	HFGD	AHFE 12
12:30 - 14:00 • LUNCH AT THE RESTAURANT OF YOUR CHOICE			
WEDNESDAY, JULY 22, 2026 - SESSION TIME: 14:00 -15:00 (PAGES 8 - 12)			
25	Bridging Translational Gaps for Enhancing Human Well-Becoming II	HSSE	AHFE 1
26	Kansei Design II	IPID	AHFE 2
27	Human-Computer Interaction and Artificial Intelligence I	HCI	AHFE 3
28	Design of Daily Things	ED	AHFE 4
29	Human-Centered AI and Decision Support in Healthcare	HCA	AHFE 5
30	Physical Ergonomic Risk Assessment: Methods and Techniques I	PEHF	AHFE 6
31	Design for Sustainability and Experience in Urban Planning	SUPI	AHFE 7

Conference at a Glance

Conference program schedule listed in istanbul, Türkiye Time (GMT+3)

#	SESSION TITLE	TRACK	ROOM
WEDNESDAY, JULY 22, 2026 - SESSION TIME: 14:00 -15:00 (PAGES 8 - 12)			
32	Human Error and Performance Analysis I	HERRP	AHFE 8
33	Sensory Engineering and Emotion I	APD	AHFE 9
34	Physiological Monitoring and Decision Support in High-Risk Field Operations	CCSS	AHFE 10
35	Driver Performance, Behavior and Physiology I	RR	AHFE 11
36	Health and Survival from the Micro to the Macro Scale I	PMIA	AHFE 12
REFRESHMENTS: 15:00-15:30 • ROOM: FOYER			
WEDNESDAY, JULY 22, 2026 - SESSION TIME: 15:30-16:30 (PAGES 12 - 15)			
37	Next-Generation Learning: Innovations Shaping Teaching and Learning	HSSE	AHFE 1
38	Human Factors in Knowledge Management, Innovation and Human Intellectual Capital	CIE	AHFE 2
39	Ergonomics, Human Factors and Work Efficiency	SOE	AHFE 3
40	Healthcare Design Applications and User Experience	UUE	AHFE 4
41	Automated and Autonomous Driving	RR	AHFE 5
42	Symposium on Creative Technology and Digital Media	HFCD	AHFE 6
43	Advances in Workload Management, Training and Operations I	AVI	AHFE 7
44	Optimizing Learning and Performance II	TELS	AHFE 8
45	Kansei Design III	IPID	AHFE 9
46	Digital Environments, Game Design and Immersive Experience I	HFGD	AHFE 10
47	Design for Inclusion: AI and Assistive Technology	UDDI	AHFE 11
48	Workshop: Orchestrating Synthesized Human and AI-Agentive Workflows: AI Agency Benefit, Disruptions and Management	HFRDUS	AHFE 12
END OF DAY 1 TECHNICAL SESSIONS			
THURSDAY, JULY 23, 2026 - SESSION TIME: 9:00-10:30 (PAGES 16 - 19)			
49	Bridging Translational Gaps for Enhancing Human Well-Becoming III	HSSE	AHFE 1
50	From Data to Implementation - Leveraging Health Informatics to Improve Patient Care I	HIBEA	AHFE 2
51	Designing Interactive Technologies for Special Needs and Aging Workforce Support	HFAS	AHFE 3
52	Ergonomics Evaluation	ED	AHFE 4
53	Cognitive and Psychosocial Ergonomics	SOE	AHFE 5
54	Design Strategy and User Interface Design I	UUE	AHFE 6
55	Human Factors in Operational Management and Leadership I	HFBMS	AHFE 7
56	Innovations in Sustainable Industry II	SBE	AHFE 8
57	UX and Virtual Environments	UUE	AHFE 9
58	Training and Learning with AI	TELS	AHFE 10
59	Design and Technology Innovation	CIE	AHFE 11
60	Human-Centered and AI-Enabled Decision Support in Industrial Systems	ISE	AHFE 12
REFRESHMENTS: 10:30-11:00 • ROOM: FOYER			

Conference at a Glance

Conference program schedule listed in Istanbul, Türkiye Time (GMT+3)

#	SESSION TITLE	TRACK	ROOM
THURSDAY, JULY 23, 2026 - SESSION TIME: 11:00-12:30 (PAGES 20 - 23)			
61	Knowledge and Creating Value in Teams, Organizations, Communities, and Societies	HSSE	AHFE 1
62	Human Computer Interaction Applications: Efficiency and Performance	HCI	AHFE 2
63	Neurophysiological Assessment and Modulation of Cognitive Functions	CN	AHFE 3
64	Health, Wellbeing, and Care Across the Lifespan	HCA	AHFE 4
65	Safety Management and Accident Preparedness	SMHF	AHFE 5
66	Driver Performance, Behavior and Physiology II	RR	AHFE 6
67	Human Factors and System Interactions	SYSI	AHFE 7
68	Designing Trustworthy AI and Human-Centric Approaches for Secure Digital Futures	CYBER	AHFE 8
69	Design for All and Cultural Heritage	UDDI	AHFE 9
70	Human Teaming and Interaction Robotics in Autonomous Systems	HFRDUS	AHFE 10
71	Human-Centered Design for Aging, Neurodiversity, and Assisted Care	HFAS	AHFE 11
72	Human Factors in Artificial Intelligence and Social Computing II	AISC	AHFE 12
12:30 - 14:00 • LUNCH AT THE RESTAURANT OF YOUR CHOICE			
THURSDAY, JULY 23, 2026 - SESSION TIME: 14:00-15:00 (PAGES 24 - 27)			
73	Interdisciplinary Design	IPID	AHFE 1
74	Human Computer Interaction: User Experience and User Interface I	HCI	AHFE 2
75	Human-Centric Systems: Advancing Ergonomics, Performance, and Well-Being	ISE	AHFE 3
76	Driver Performance, Behavior and Physiology III	RR	AHFE 4
77	AI Design Applications and User Experience II	UUE	AHFE 5
78	Human Factors in Operational Management and Leadership II	HFBMS	AHFE 6
79	Workplace Safety: Trust in AI and Data Science	SMHF	AHFE 7
80	Physical Ergonomic Risk Assessment: Methods and Techniques II	PEHF	AHFE 8
81	Design Methods for Health, Mobility and Inclusion	SUPI	AHFE 9
82	Ethics, Power, and Cultural Meaning in Human-Centered Artificial Intelligence	GIC	AHFE 10
83	Cognitive and Physiological Human Factors in Emergency Command and Control	CCSS	AHFE 11
84	Human Factors in Accessibility, Assistive Technology and Digital Environments I	AATDE	AHFE 12
REFRESHMENTS: 15:00-15:30 • ROOM: FOYER			
THURSDAY, JULY 23, 2026 - SESSION TIME: 15:30 -16:30 (PAGES 28 - 31)			
85	Reimagining Service Innovation: Generative AI in Service Design, Ethics, and User Experience Design	HSSE	AHFE 1
86	Discourse on the Communication of Design Through the Lens of Human Values	HFCD	AHFE 2
87	Interaction with Emerging Technologies	CIE	AHFE 3
88	Human Teaming and Interaction Drones in Autonomous Systems	HFRDUS	AHFE 4
89	Physical Ergonomics in Design	ED	AHFE 5
90	Human Factors in Rail Transport	RR	AHFE 6

Conference at a Glance

Conference program schedule listed in İstanbul, Türkiye Time (GMT+3)

#	SESSION TITLE	TRACK	ROOM
THURSDAY, JULY 23, 2026 - SESSION TIME: 15:30 -16:30 (PAGES 28 - 31)			
91	Industry 4.0 and Intelligent Manufacturing Technologies	MFG	AHFE 7
92	HMI Design and Studies	SYSI	AHFE 8
93	Design Strategy and User Interface Design II	UUE	AHFE 9
94	Towards Safer, Smarter and Sustainable Maritime Operations: Insights from Research and Practice	MAR	AHFE 10
95	Human Computer Interaction: User Experience and User Interface II	HCI	AHFE 11
96	Sensory Engineering and Emotion II	APD	AHFE 12
END OF DAY 2 TECHNICAL SESSIONS			
FRIDAY, JULY 24, 2026 - SESSION TIME: 9:00-10:30 (PAGES 31 - 34)			
97	Styled for Innovation: Fashion, Service, Arts, and Museums as Creative Ecosystems	HSSE	AHFE 1
99	Human Factors in Accessibility, Assistive Technology and Digital Environments II	AATDE	AHFE 3
100	Human Computer Interaction: Virtual and 3D Environments	HCI	AHFE 4
101	Human Intelligence and AI in Digital Technology	HFCD	AHFE 5
102	Social and Work Environment Risk Assessment	SOE	AHFE 6
103	Skill Learning and Performance Assessment in AI Era	TELS	AHFE 7
104	Design Method Exploration	IPID	AHFE 8
105	Human Factors in Operational Management and Leadership III	HFBMS	AHFE 9
106	Sensory Engineering and Emotion III	APD	AHFE 10
107	New Approaches, Tools, and Technology in Design Education Through Practice	IPID	AHFE 11
108	Modeling and Simulation Applications in the Utility Industry	HFSIM	AHFE 12
REFRESHMENTS: 10:30 – 11:00 • ROOM: FOYER			
FRIDAY, JULY 24, 2026 - SESSION TIME: 11:00-12:30 (PAGES 34 - 38)			
109	The Human Side of Service Engineering	HSSE	AHFE 1
110	Design, Ergonomics, and Physical Interaction in Healthcare Systems	HCA	AHFE 2
111	Cognition and Decision-Making in Complex Human-System Interactions	CCSS	AHFE 3
112	Human Factors in Urban Road Transport	RR	AHFE 4
113	From Data to Implementation - Leveraging Health Informatics to Improve	HIBEA	AHFE 5
114	Innovations in Sustainable Industry III	SBE	AHFE 6
115	Health and Survival from the Micro to the Macro Scale II	PMIA	AHFE 7
116	Physical Ergonomics Evaluation	PEHF	AHFE 8
117	Human Factors in Operational Management and Leadership IV	HFBMS	AHFE 9
118	Human Factors in Accessibility, Assistive Technology and Digital Environments III	AATDE	AHFE 10
119	Sensory Engineering and Emotion IV	APD	AHFE 11
120	Human Factors in Operational Management and Leadership V	HFBMS	AHFE 12
12:30 - 14:00 • LUNCH AT THE RESTAURANT OF YOUR CHOICE			

Conference at a Glance

Conference program schedule listed in İstanbul, Türkiye Time (GMT+3)

#	SESSION TITLE	TRACK	ROOM
FRIDAY, JULY 24, 2026 - SESSION TIME: 14:00-15:00 (PAGES 38 - 41)			
121	Advances in Workload Management, Training and Operations II	AVI	AHFE 1
122	HSSE Future Directions and Planning for 2027	HSSE	AHFE 2
123	Measurement, Sustainability, and Physiological Insights in Healthcare	HCA	AHFE 3
124	Digital Tools and AI for Architectural Design	SUPI	AHFE 4
125	Human Error and Performance Analysis II	HERRP	AHFE 5
126	Design for Inclusion: Products and Design Education	UDDI	AHFE 6
127	Workload, Stress, Human-Centered Sensing in Real-World Contexts	CCSS	AHFE 7
128	Human Factors in Artificial Intelligence and Social Computing III	AISC	AHFE 8
129	Human-Computer Interaction and Artificial Intelligence II	HCI	AHFE 9
130	Kansei Engineering	KE	AHFE 10
131	Wearable Technologies and Sensors	WTEF	AHFE 11
132	Metaverse, Virtual Environments and User Experience II	HFGD	AHFE 12
REFRESHMENTS: 15:00 - 15:30 • ROOM: FOYER			
FRIDAY, JULY 24, 2026 - SESSION TIME: 15:30-16:30 (PAGES 42 - 45)			
133	Digital Innovations and Human-Centric AI in Healthcare	HCA	AHFE 1
134	Knowledge and AI in Sociotechnical Systems	SYSI	AHFE 2
135	Driving Performance and Road Safety	RR	AHFE 3
136	Systems and Software Engineering Requirements and Challenges	HFSSE	AHFE 4
137	Advances in Workload Management, Training and Operations III	AVI	AHFE 5
138	Digital Human Modeling for Performance, Ergonomics, and Optimization	DHMAO	AHFE 6
139	Innovations in Digital Technology for Cultural Heritage in Communication II	HFCD	AHFE 7
140	Production and Process Evaluation and Quality	PEQ	AHFE 8
141	Cognitive Workload and Human Performance in Complex Work Environments	CN	AHFE 9
142	Applied Next-Generation Concepts in Human-Centered Design and Security II	CYBER	AHFE 10
143	Immersive Training, Biomarkers, and Digital Twin Assistance in Crisis Operations	CCSS	AHFE 11
144	Human-Computer Interaction and Artificial Intelligence III	HCI	AHFE 12
END OF DAY 3 TECHNICAL SESSIONS			

#	POSTER DEMONSTRATION SESSIONS	TRACK	ROOM
WEDNESDAY, JULY 22, 2026 - SESSION TIME: 9:00-16:30 (PAGES 46-47)			
A	Poster Demonstration Session A	ALL	Lobby Level
THURSDAY, JULY 23, 2026 - SESSION TIME: 9:00-16:30 (PAGES 47 - 49)			
B	Poster Demonstration Session B	ALL	Lobby Level
FRIDAY, JULY 24, 2026 - SESSION TIME: 9:00-16:30 (PAGES 49 – 50)			
C	Poster Demonstration Session C	ALL	Lobby Level

1	HSSE Plenary: Human Side of Service Engineering Welcome Co-Chairs: Christine Leitner, UK, Clara Bassano, Italy and Debra Satterfield, USA	HSSE
9:00-10:30 AHFE 1	HSSE Keynote: Bridging translational gaps for enhancing human wellbecoming Markus Warg, Germany HSSE Best Paper Awards Christine Leitner, UK, Clara Bassano, Italy, Debra Satterfield, USA	
2	Human Factors and Artificial Intelligence in Decision Support and Learning Co-Chairs: Serpil Aytac and Merve Mamacı, Turkey	HFBMS
9:00-10:30 AHFE 2	The "As-If" Leadership Model: A conceptualization and scale development study Alihan Pasin, Erdal Şen, Serpil Aytac, Turkey The mediating role of emotional intelligence in the relationship between light triad personality traits and entrepreneurial tendency among university students Merve Mamacı, Nuran Bayram Arli, Serpil Aytac, Sera Öykü Bora, Sahamet Bulbul, Turkey Machine learning and data mining insights into monthly housing price dynamics in Connecticut, USA Özerk Yavuz, Turkey Construction of a model for estimating sales thinking processes by learning tacit knowledge Masato Saegusa, Masahiko Sakata, Miwa Nakanishi, Japan A collaborative KPI framework for evaluating a digital twin demo platform: Supporting circular economy transformation in SMEs Marina Weck, Neuza C. M. Q. F. Ferreira, Catalin Ilie, Finland/Portugal Humans and humanoids for optimal performance: Rethinking work in the age of hybrid intelligence Oliver Tian, Vesa Salminen, Bryon Tian, Singapore	
3	Motivation Engineering Co-Chairs: Muzheng Zhu, China and Shuichi Fukuda, Japan	APD
9:00-10:30 AHFE 3	An embodied interaction system for five-tone music therapy: A Guqin-inspired multimodal design Muzheng Zhu, Xie Xin, China Beyond function: An analysis of affective design factors in Japanese mechanical watches with high auction prices Keisuke Okahara, Shinya Nagasawa, Japan Environment providing necessary information to users using multiple IoT avatars Tetsuro Ogi, Yuki Kida, Japan i-EyFuze: An eye-shaped eHMI in autonomous vehicles that provides intentions for pedestrians Yoshihiro Sejima, Japan The importance of awareness and understanding of embodied cognition Shuichi Fukuda, Japan The Triadic Value Model: A Bayesian inference framework for meaning-centered design Hideyoshi Yanagisawa, Japan	
4	Applied Next-Generation Concepts in Human-Centered Design and Security I Co-Chairs: Kitty Kioskli and Leandros Maglaras, The Netherlands	CYBER
9:00-10:30 AHFE 4	A human factors–cyber–safety framework for risk and requirements in critical infrastructure Eylem Thron, Duncan Ki-Aries, Martin Freer, Huseyin Dogan, Shamal Faily, UK Cognitive load and compliance: A human-centric framework for NIS2 in Latvian SMEs Imants Breidaks, Henrijs Kalkis, Anton Semenov, Latvia Evaluating attention and cognitive workload in discriminating spear-phishing from benign emails Tianhao Xu, Prashanth Rajivan, USA Enhancing cybersecurity learning through online platforms and gamified approaches Dimitris Koutras, Kitty Kioskli, Vangelis Malamas, Greece The human factor in cyber resilience: Behavioural, organisational and sociotechnical perspectives Lena Von Damaros, Germany Privileged learning for instance representation in cognitive models of phishing decisions Elaheh Mehrabi, Prashanth Rajivan, USA Human-centered human-computer interaction (HCI) framework Rahmira Rufus, USA	

5	The Role of Human - AI Teaming in Aviation Co-Chairs: Dimitrios Ziakkas, USA and Konstantinos Pechlivanis, Greece	AVI
9:00-10:30 AHFE 5	The role of fatigue risk management systems (FRMS) in the implementation of human - AI teaming in the aviation ecosystem Debra Henneberry, Dimitrios Ziakkas, Eleftherios Bokas, Anastasios Plioutsias, USA Human Factors Analysis and Classification System (HFACS) applications in transportation human factors: Review study Yuanming Lv, Can Yang, Jundong Pei, Junmin Du, China Implementation of human teaming in aviation industry: The Turkish Airlines case study Ibrahim Sarikaya, Dimitrios Ziakkas, Turkey/USA Training challenges in human - AI teaming in aviation Dimitrios Ziakkas, Ibrahim Sarikaya, Debra Henneberry, USA/Turkey Implementation of human - AI teaming in the single pilot operations era Konstantinos Pechlivanis, Dimitrios Ziakkas, Ioanna Lekea, Debra Henneberry, Greece The role of workforce planning in the implementation of human - AI teaming in transportation Dimitrios Ziakkas, Ibrahim Sarikaya, Konstantinos Pechlivanis, Debra Henneberry, USA/Turkey/UK The role of safety management systems (SMS) in the implementation of human - AI teaming in aviation ecosystem Dimitrios Ziakkas, Eleftherios Bokas, Debra Henneberry, USA	
6	Architecture, Environment and Psychological Aspects Co-Chairs: Antonina Kowalska, Poland and Takumi Nagata, Japan	SUPI
9:00-10:30 AHFE 6	Impacts of atrium geometric characteristics in university research buildings on occupant's restorative performance Ziqi Zhang, Xiaoxi Cheng, China A hierarchical architectural decision model for residential heat resilience (DMHR) Alicja Maciejko, Michal Grzeskowiak, Antonina Kowalska, Poland Effects of stair geometry and surrounding factors on perceived vertical ascending distance Takumi Nagata, Yohsuke Yoshioka, Japan Collaborative governance for urban regeneration: Mapping the contributions of real estate stakeholders in Harare's CBD renewal Faith Dowelani, Progress Kamonere, South Africa A relational architectural model for health-oriented housing Alicja Maciejko, Poland Distinct roles of route and node memory in indoor wayfinding: Evidence from a virtual reality study Xiaohan Mei, Shengxi Cao, Haiming Zhao, Li Zhang, China	
7	Kansei Design I Co-Chairs: Ari Aharari and Wonseok Yang, Japan	IPIID
9:00-10:30 AHFE 7	A design space for peripheral interaction: Evidence mapping and transferable implications Haopeng Wu, Wonseok Yang, Japan Human-centered explainability for industrial inspection: A scenario-responsive framework Ari Aharari, Japan Understanding information-seeking behavior through visual cues: UX/UI design perspectives for social media interfaces Haru Kameda, Wonseok Yang, Japan Optimization of interface design based on user behavior: Focus on the adoption of touch-based UI in home appliances Kaito Nozaki, Wonseok Yang, Japan Investigating integrative visual expressions in GUI design: Icon design utilizing combined visual elements Shunto Haneishi, Wonseok Yang, Japan	

8	AI Design Applications and User Experience I Co-Chairs: Antonio Zingarofalo, Italy and Paul Rainer De Villa, Philippines	UUE
9:00-10:30 AHFE 8	Enhancing XR interface design through immersive AR co-design and 360-degree photospheres Antonio Zingarofalo, Giorgio Giustizieri, Sarah De Cristofaro, Luca Rizzi, Italy Designing with the senses: Emotional connections for sustainable consumption Amic G. Ho, P. W. Chau, Hong Kong SAR China Sustainable AI: Exploring gains and losses of AI in daily routines Sarah Diefenbach, Lara Christoforakos, Daniel Ullrich, Marie Veihiemann, Germany A usability evaluation of the Lusog-Isip mobile application Nazka Leosala, Paul Rainer De Villa, Lorelie Grepo, Joshua Phillip Reyes, Kaye Domingo, Philippines Narrative design method innovation: Exploring paths to enhance the story connotation and user experience of cultural and creative products Jinghuan Xu, Weiling Deng, Jinpeng Chen, Yanhao Cai, China Mobile service design as cultural intermediaries for Halal-related services Tiana Santoso, Chieh-ju Huang, Taiwan	
9	Cognitive Decision-Making and Human Performance from Activity Theory Perspectives Co-Chairs: Alexander Yemelyanov and Inna Bedny, USA	CN
9:00-10:30 AHFE 9	AI-assisted cognitive-behavioral decision support for insurance coverage selection Alexander M. Yemelyanov, David Adeogun, Rahul Sukumaran, USA Coping behavior patterns among different psychological types under conditions of uncertainty Olena Kosyanove, Oleksiy Chebykin, Inna Bedny, Ukraine Mapping cognitive fidelity in joint cognitive systems: Neuroergonomics in simulation-based training Jessica Johnson, Ashley Buczkowski, USA Beyond physical safety in human–robot collaboration: Investigating speed and proximity effects in mental workload Eduarda Pereira, Nelson Costa, Adriana Sampaio, Nuno Costa, Daniela Arruda, Portugal A cognitive engineering approach to capture the context of decision making for emergency call handlers Sam Hepenstal, Lewis Lincoln-Gordon, UK Therapeutic applications of remote aviation for neurodiverse individuals (TARA-ND): A neuroergonomic approach to strength-based therapy for neurodivergence Suvipra Singh, USA	
10	Plenary: From Quality Management to Quality Intelligence: How Digitalization, Data, and AI Are Transforming Quality in Industry 4.0	ISE
9:00-10:30 AHFE 10	Speaker: Roland Jochem, Germany	
11	Human Factors in Artificial Intelligence and Social Computing I Co-Chairs: Lyubomir Kolarov, Bulgaria and Hazal Papuççular, Turkey	AISC
9:00-10:30 AHFE 11	Values-driven AI framework for preschool and elderly learning in Bulgaria Lyubomir Kolarov, Bulgaria Artificial intelligence in human rights decision-making: Do we need AI judges? Nihan Akıncılar Köseoğlu, Turkey History and historians in the age of AI Hazal Papuççular, Turkey A unified taxonomy of deep learning optimizers for scalable and efficient AI systems Carlos Villarreal, Jonathan Luzuriaga, Emilio Quinga, Nicolas Reinoso, Mauricio Morales, Diana Martinez-Mosquera, Ecuador Deliver cross-process automation across finance, HF, procurement by orchestrating actions across diverse systems-powered by AI & governed workflows Elizabeth Koumpan, Laurentiu Gabriel Ghergu, Łukasz Strack, Canada AI with and within user research across the product lifecycle Maria Natalia Russi-Vigoya, Leonidas Guadalupe, USA	

12	Human Factors for Apparel and Textile Engineering Co-Chairs: Uwe Reischl, USA and Özlem Kaya, Turkey	HFATE
9:00-10:30 AHFE 12	Optimizing clothing materials to reduce solar heat radiation exposure Uwe Reischl, Budimir Mijovic, USA Ergonomics and human factors awareness among textile and fashion design department students Özlem Kaya, Turkey DigiKnitting: A three-dimensional approach Diego Fabri, Stijn Verwulgen, Jouke Verlinden, Belgium A review of the application and development of Chinese ethnic symbolism in intelligent fabric design Li Yuan, China Innovation in design for sustainability Catarina Carreto, Rui Carreto, Portugal Generative AI in clothes design: A scoping review of workflows, challenges, and future pathways Jiayi Chen, Xingting Wu, China	

Refreshments: 10:30-11:00 (GMT+3) – Foyer

13	Bridging Translational Gaps for Enhancing Human Well-Becoming I Co-Chairs: Christine Leitner, UK and Markus Warg, Germany	HSSE
11:00-12:30 AHFE 1	Translational service research and design methodology: What it is, what it is not, what it might be Markus Warg, James Clinton Spohrer, Tilo Böhmman, Christine Leitner, Luca Carrubbo, Peter Weiss, Jens Neuhüttler, Volker Gruhn, Marc Alexander Burmeister, Germany Service ecosystem engineering to overcome translational gaps in digital transformation Volker Gruhn, Markus Warg, Germany Human judgment in democratic service systems: A knowledge–values–thinking capability framework Kazuyoshi Shimada, Japan Bridging translational gaps in psychological care - a care platform approach Erik Foelting, Jennifer Steinbach, Switzerland Closing the AI-loop: A review of human-guided machine learning approaches Johannes Stübinger, Niko Grosch, Germany Evolving the OVB service platform approach to overcome the AI experimentation trap Heinrich Fritzlar, Andrea Will, Germany	

14	Metaverse, Virtual Environments and User Experience I Co-Chairs: Jussi Kantola and A. K. M. Ishtyak Hossain, Finland	HFGD
11:00-12:30 AHFE 2	Assessment of competency and safety behavior of crane operator trainees: A case study on conventional and immersive (VR) crane operation training Pawel Krolas, Stefan Trzcielinski, Jowita Trzcielinska, Ishtyak Hossain, Rida Kamal, Jussi Kantola, Poland/Finland A comparative case study of crane operation training methods: Immersive training, theory-based training, and real crane operation A. K. M. Ishtyak Hossain, Rida Kamal, Pawel Krolas, Jowita Trzcielinska, Jussi Kantola, Finland Bridging the gap in immersive analytics: Visualizing unstructured data in the era of generative AI Sezer Dumen, Denis Gracanin, Dina El Mahdy, USA Exploring design-relevant insights from existing heuristic studies for virtual object design in virtual reality Begüm Türeyengil, Cigdem Kaya, Ahmet Hamurcu, Turkey Design of serious games for historical culture via contextualized experience and gamified design strategies: A case study of “Captain Beard” Yumeng Wu, RongRong Fu, Huayi Zhou, Shuyi Tang, China A transformation model on how to start a metaverse use case Franz Falkenau, Peter Schrader, Benjamin Wingert, Benjamin Schneider, Mehmet Kürümlüoglu, Germany Interactive 3D digital environments as ergonomic data collection platforms: A cross-immersion analysis Huishu Deng, Li Zhang, Xinyue Wang, China	

15	Design Evaluation and User Perspective: Transportation and Digital Resources Co-Chairs: Elena Dalinger, Germany and Zhiyang Li, China	UUE
11:00-12:30 AHFE 3	Systematic business process optimization based on TRIZ: A novel method supported by a user interface Elena Dalinger, Daniel Feiser, Nina Mundt, Germany Beyond random sampling: Behavioral targeting as a human factors methodology for uncovering latent citizen needs in government web services So Nishina, Japan Beyond vision: Non-visual sensory channels assist blind passengers in understanding driving environments and vehicle behavior Zhiyang Li, Danhua Zhao, China Cross-modal evidence on website interface-induced emotions and search efficiency in time-limited ticket purchase Li Shucheng, Yufeng Yang, China A systematic review of metadata quality assessment for cultural heritage digital resources Mengke Zhao, Qiaoyin Mo, Fang Liu, China	
16	Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries Co-Chairs: Godswill Ekpe, UK and Eléna Martel, France	ENERGY
11:00-12:30 AHFE 4	Thermal management using microchannel heat sinks with semi-circular ribs Fadi Alnaimat, UAE User-centered approach to designing and evaluating controlled languages in the nuclear industry Eléna Martel, Amaël Arguel, Anne Condamines, Julien Kahn, France Operational challenges in small modular reactors: Insights into human factors and emerging technologies Timo Kuula, Päivi Heikkilä, Mikael Wahlström, Finland Relationship between frontline workers' risk perception and safety characteristics of turnaround maintenance: An empirical study during turnaround maintenance in the chemical process industries Godswill Ekpe, Esther Ventura-Medina, UK Operator information needs in underground hydrogen storage monitoring Hanna Koskinen, Nina Flink, Bastian Tammentie, Finland	
17	The Role of Emerging Technologies in Transportation Safety Co-Chairs: Dimitrios Ziakkas, USA and Debra Henneberry, USA	HERRP
11:00-12:30 AHFE 5	Silent safety: Assessing the procedures regarding cavitation inception on naval vessels during a multi-day anti-submarine warfare exercise Julian Steinke, Robert Van de Ketterij, David Slater, Henk De Weerd, Guido Band, Germany Psychometric characterization of silent reliability degradation detection in automated decision aids Cheng Tan, Xiaodong Xu, Yuzheng Wang, Liang Ma, China The role of emerging technologies in transportation safety Dimitrios Ziakkas, Anastasios Plioutsias, Debra Henneberry, USA/UK Challenges in the implementation of resilience in flight operations: The role of safety management systems Ibrahim Sarikaya, Dimitrios Ziakkas, Eleftherios Bokas, Konstantinos Pechlivanis, Anastasios Plioutsias, Debra Henneberry, Turkey/USA The role of cultural intelligence in human performance. Dimitrios Ziakkas, Debra Henneberry, Konstantinos Pechlivanis, USA/UK	

18	Innovations in Sustainable Industry I Co-Chairs: Halil Erhan, Canada and Joshua Kubelun, South Africa	SBE
11:00-12:30 AHFE 6	D-CodeWeaver: Integrating real-time code compliance analytics into modular timber housing design Halil Erhan, Esmaeil Mottaghi, Elton Gjata, Yann Tregoat, Canada Digital transformation in quantity surveying: Implications for employability and professional ethics Barend Aucamp Du Toit, South Africa Enhancing connection performance for a sustainable built environment: A comparative investigation of prying forces Jeffrey Mahachi, Posholi Lebusa, South Africa Revitalising indigenous housing knowledge for a sustainable built environment: A South African case study Jeffrey Mahachi, Glory Mamokiritle Sefako, South Africa Strategic approaches for sustainable 4IR skills development in South Africa's built environment Joshua Kubelun, Kofi Owusu Adjei, Murendeni Liphadzi, South Africa Strategies for sustainable retrofits in higher learning institutions infrastructure: A bibliometric review Dunisani Sydwell Shivambu, William Nkomo, Motheo Tjebane, Gift Laolang, South Africa Opportunities, adoption of 4IR technologies by SMEs in the construction industry: A systematic review Motheo Tjebane, Snenhlanhla Precious Hlengwa, Samuel Herald Peter Chikafalimani, Molusiwa Stephan Ramabodu, Gift Laolang, South Africa	
19	Design Methods Co-Chairs: Sayaka Noda, Japan and Kyungjoo Cha, UK	ED
11:00-12:30 AHFE 7	A two-phase asynchronous-synchronous online co-design method for facilitating multi-stakeholder participation in healthcare technology Cai-Ling Wang, Yuan-Chi Tseng, Taiwan Mapping experiential values of office chairs: Insights from qualitative observations Sayaka Noda, Toshihisa Doi, Luo Weiyang, Sayaka Yamane, Seiji Minami, Satsuki Harada, Japan Envisioning uncertain futures: A structured framework for speculative co-design workshops Kyungjoo Cha, Ecem Ince, UK Psychological mechanism and classification of similarity judgment in design: Expert interviews and questionnaire surveys Jinpeng Chen, Yulin Zhao, Yanhao Cai, Weiling Deng, China Integrating embodied intelligence: A three-scenario design proposal for the smart vehicle cabin Haoran Yu, Danhua Zhao, China	
20	Occupational Risk Management and Work-Related Injuries Co-Chairs: Mohamed Naceur Ben Aziza and Adel Badri, Canada	SMHF
11:00-12:30 AHFE 8	Collaborative robotics and worker safety: An ergonomic perspective on benefits and risks Mohamed Naceur Ben Aziza, Adel Badri, Canada Risk assessment in a biotechnology laboratory using the EMKG method: Guide to best practices and procedures Rodrigo Dominguez, Javiera Ayala, Sebastian Amaro, Alex Rojas, Cristian Acevedo, Chile Development of the fear of work-related accident scale: Pilot study and content validity findings Gökçe Özkılıçcı, Hüstre Gizem Akalp, Nuran Bayram Arli, Serpil Aytac, Turkey Risk factors contributing to slips, trips, and falls among truck drivers: Evidence from Canada Aida Haghighi, Hossein Zolfagharinia, Elaheh Mizbani, Canada Effects of visual display terminal refresh rate on game performance and visual fatigue of casual players Zhongting Wang, Yue He, Xiqiang Liu, Zhao Chaoyi, Lei Jiang, Hongzhan Chen, Linghua Ran, China Evaluation of working posture using the Xsens inertial system in production in accordance with Czech legislation Karolína Šabláturová, Pavla Nikelová, Lucie Kocůrková, Denisa Charvátová, Czech Republic Strengthening safety culture: An analysis of employee risk perception Giulia De Cet, Chiara Vianello, Italy	

21	Human Trust, Reliance, and Performance in AI-Enabled Systems Co-Chairs: Bryan Johnston, Canada and Mark Miller, USA	GIC
11:00-12:30 AHFE 9	Artificial intelligence uses and loneliness: examining the relationship between artificial intelligence usage patterns, need to belong and loneliness Alp Giray Kaya, Hale Dost, Turkey Digital readiness to digital governance: Human factors, regulation, and entrustment in medical education Bryan Johnston, Jay Kalra, Canada Trust in AI in commercial aviation maintenance: Gaining efficiencies while enhancing safety Mark Miller, Leila Halawi, Sam Holley, Bettina Mrusek, Mark Kanitz, USA Human-AI collaboration in automated x-ray screening: Effects of alarm types and reliability levels on operator performance in subway security Xin Zhou, China From outcomes to experience: Designing AI to support agency, collaboration, and calibrated trust in creative work Yuan-Chi Tseng, Taiwan AIGC as the third space for cultural innovation design Zixi Wang, Tie Ji, China	
22	Industry 4.0 and Data Analytics: Enhancing Design, Reliability, and Sustainability Co-Chairs: Shinichi Fukuzumi, Japan and Kimmo Tarkkanen, Finland	ISE
11:00-12:30 AHFE 10	Operationalizing shipbuilding 4.0 technologies for material management sustainability Kimmo Tarkkanen, Janne Siivonen, Jari Hietaranta, Antti Laatikainen, Pertti Ranttila, Finland Measurement and quantification of quality characteristics in quality-in-use Shinichi Fukuzumi, Japan Shaping future work systems: A framework for the integration of humanoid robots Ralph Hensel, Vera Hummel, Jan Schuhmacher, Germany Effects of artificial intelligence decision support systems on operator trust and workload Sinan Apak, Turkey Integrating human-factors into enterprise architecture leveraging ontologies and metamodels Sarah Rudder, USA Quantum-safety enabling cybersecurity reference infrastructure model for edge and access services Reijo Savola, Finland	
23	Optimizing Learning and Performance I Co-Chairs: Narmin Gasimova, Italy and Weiling Deng, China	TELS
11:00-12:30 AHFE 11	Enhancing material literacy through hands-on workshops in educational material libraries Narmin Gasimova, Sofia Soledad Duarte, Silvia Ferraris, Valentina Rognoli, Italy Instructors' perspectives on AI in maritime simulator training: A qualitative study Thi-Diem-My Ta, Salman Nazir, Per Haavardtun, Leif Inge Magnussen, Norway Methodological validation of environmental embedding and cognitive absorption for AR instructional communication in Chinese motif design learning Yuwen Zou, Wardatul Hayat Adnan, Nurul Hijja Mazlan, Chang Liu, Malaysia AI empowers design education: integrated model of prompt teaching and originality cultivation in university design majors Weiling Deng, Yanhao Cai, Jinghuan Xu, Jinpeng Chen, Macau SAR China Interdisciplinary pathways and pedagogical models integrating artificial intelligence and design Dongfang Yang, Xuejun Tang, Bingjing Chen, Zhaoqun Niu, China Designing an AI-supported intercultural educational methodology for Native Maize communities in Oaxaca Diana Rubi Oropeza-Tosca, Rodolfo Martinez Gutierrez, Omar Jimenez-Marquez, Karina González-Izquierdo, Reiner Rincón-Rosales, Luis Alberto Manzano-Gómez, Clara Ivette Rincón-Molina, Victor Manuel Ruiz-Valdiviezo, José Juan Escalante-Fernández, Roger Notario-Priego, Pedro Ramón-Santiago, Irving Bruno López-Santos, Miguel Ángel Gómez-Jiménez, Gaudencio Lucas-Bravo, Mexico	

24	Innovations in Digital Technology for Cultural Heritage in Communication I Co-Chairs: Amic G. Ho, Hong Kong SAR China and Yingshan Zhang, China	HFCD
11:00-12:30 AHFE 12	Enhancing immersive machine operator training through cognitive load management and scenario-based learning Amic G. Ho, P. W. Chau, Hong Kong SAR China "Starlight & Listening Fox": Design and construction of an inclusive AR therapeutic IP system for community-based autistic children Yingshan Zhang, China Resolving form-meaning separation: Preference and acceptance of a somatosensory FMV game for intangible martial arts targeting Z generation Jinhang Liu, Tianchen Dai, Xin Xie, China Cultural heritage activation of the grand canal for Generation Z: A design study based on IP narrative and gamified AR Xiang Wu, China Embodied cognition theory-driven AR board game design: Innovative practice of the "Five Emperors" cultural IP in Fujian Museum Yuan Gao, Cheng Zheng, Yixin Chen, China A mixed reality intervention framework for learning ceramic throwing skills: Task analysis, human factors design logic, and KANO-AHP functional priority Zhekai Cai, China	

12:30-14:00 (GMT+3) Enjoy lunch at the restaurant of your choice

25	Bridging Translational Gaps for Enhancing Human Well-Becoming II Co-Chairs: Christine Leitner, UK and Markus Warg, Germany	HSSE
14:00-15:00 AHFE 1	Beyond availability: Closing adoption gaps in digital health prevention – a TSRDM approach Susanna Krämer, Germany Navigating digital transformation: The strategic alliance as a digital catalyst for corporate digital entrepreneurship in China's EV transition Sanaz Bakhshi Nia, Wei Li, Ruilin Zhu, Germany Shaping Börsen-Zeitung: Evolving from print media to a leading community platform for financial market decision-makers Joachim Lauterbach, Germany Applying TSRDM framework to Charité's Fast Follower IT strategy - bridging translational gaps of digital transformation Christian Powalla, Anne Marie Schneider, Germany	

26	Kansei Design II Co-Chairs: Ari Aharari and Wonseok Yang, Japan	IPID
14:00-15:00 AHFE 2	The effect of paperboard packaging impression on purchase intentions for chocolate Noeru Masuda, Toma Uda, Yuta Hosaka, Mizuki Nakajima, Japan The effect of paperboard package shape on consumers' inferences about chocolate product contents Yuta Hosaka, Noeru Masuda, Toma Uda, Haruna Korenaga, Hiroo Fujiwara, Mitsuko Ogaki, Mizuki Nakajima, Japan The impact of facade design in community pharmacies on conveying operational status and enhancing the ease of entry Toma Uda, Mizuki Nakajima, Haruka Ito, Sarah Tominaga, Kosuke Nakayama, Japan Modeling the creative thinking processes of design experts and novices Hiyori Miyazaki, Wonseok Yang, Japan Interaction design using physical properties Kana Uenoyama, Wonseok Yang, Japan	

27	Human-Computer Interaction and Artificial Intelligence I Co-Chairs: Erman Çakıt, Turkey and Zun-hwa Chaing, Taiwan	HCI
14:00-15:00 AHFE 3	Brain-computer interface versus brain-computer interaction Erman Çakıt, Waldemar Karwowski, Turkey Human-AI interaction as a catalyst for interdisciplinary co-creation: Exploring prompt-driven visualization in design education Zun-hwa Chiang, Hung Lee, Cheng-yun Wu, Taiwan Context-aware LLMS for healthcare requirements engineering Valeria Resendez, Andrew Hornback, Harinishree Sathu, May Wang, Nese Baz, Funda Yildirim, Russell Chan, Maria Fernanda Cabrera, Simone Borsci, Netherlands/USA/Spain Understanding the needs and challenges of developing robot teleoperation applications using mixed reality headsets Liuchuan Yu, Ke Jing, Zhigen Zhao, Ning Yang, Zhicong Lu, USA Daughter-led intergenerational collaboration: Human-computer interaction in app-based IUD removal support for midlife women Feiyang Chen, China The effect of the degree of multimodal information explanation by AI streamers on consumers' purchase intention: The moderating role of product type Jing Zhang, Mier Zhu, China	
28	Design of Daily Things Co-Chairs: Liliana Soares, Portugal and Yuting Hsiao, Taiwan	ED
14:00-15:00 AHFE 4	Foot aromatherapy massager design Yuting Hsiao, Dengchuan Cai, Taiwan Concept design of bathing aids for long-term care institutions Hui-wen Hsiao, Dengchuan Cai, Yuting Hsiao, Taiwan Musculoskeletal pain survey and bathing posture risk assessment for long-term care staff Dengchuan Cai, Hui-Wen Hsiao, Chung-Hsien Liu, Yuting Hsiao, Taiwan In search of lost design: Cross-pollination in designing a musical instrument Liliana Soares, Ermanno Aparo, Rita Aparo, Portugal Ergonomic design of childcare-friendly play spaces in community parks: A fenovation approach based on childcare behaviors Xinran Li, Xiaoxi Cheng, China An active cooling bench for enhancing heat recovery Rensheng Deng, Lloyd Ng, Singapore	
29	Human-Centered AI and Decision Support in Healthcare Co-Chairs: Jay Kalra, Canada and Anna Bilyk, Poland	HCA
14:00-15:00 AHFE 5	Assessing digital readiness in diagnostic and clinical pathology: A human factors approach Jay Kalra, Bryan Johnston, Canada Human factors in AI-driven antimicrobial stewardship: Clinician decision-making, automation bias, and patient safety risks Mahdi Marzi, Ayşe Karacalı Tunc, Şebnem Marzi, Turkey A decision-support framework for managing healthcare capacity and public health interventions during pandemics Ozlem Cosgun, Eyyub Kibis, USA Assessing hospital patient nutrient intake with an AI-powered food recognition system – a feasibility study of the FlavoriaFlex solution Rehan Khalil, Sanna Koskimäki, Hanna Lähde, Shyam Bhetuwal, Lauri Koivunen, Veera Houttu, Kirsi Laitinen, Tuomas Mäkilä, Finland When one in a million matters: Developing metrics for human-AI collaboration in rare disease diagnosis Anna Bilyk, Poland Beyond Accuracy: Evaluating Explainable Artificial Intelligence for Human-Centered Cardiovascular Decision Support Loai Abdallah, Israel	

30	Physical Ergonomic Risk Assessment: Methods and Techniques I Co-Chairs: Maria Alencar, Brazil and Gunwoo Yong, USA	PEHF
14:00-15:00 AHFE 6	Ergonomic benefits of leaning-supported standing workstation during prolonged static work: A flexion-relaxation phenomenon perspective Hanbo Zou, Sangeun Jin, Sejung Lee, Seulgi Kim, Ina Jeong, Seona Jeong, South Korea Teleworkers musculoskeletal pain in Brazil: Prevalence, workplace and environmental risk factors Maria Do Carmo Baracho Alencar, Irenilza Alencar Naas, Nilson Rogerio Da Silva, Florentino Serranheira, Brazil Investigating the regulation of the circulatory system during acute hypobaric hypoxia exposure Deteng Huang, Chao Sun, Changhua Gao, Tian Liu, Jiaqi Zhou, Siyuan Guo, Li Ding, Qin Yang, China Automated ergonomic problem and solution identification from videos with a knowledge-retrieving large multimodal model Gunwoo Yong, Sanghyun Lee, USA Occupational exoskeletons: overview of mental workload effects and assessment methodologies Denisa Charvátová, Juraj Sinay, Czech Republic Risk assessment through heart rate of a team of airport workers loading unit load devices Alessio Silveti, Paola Giuntoli, Giorgia Chini, Alessandro Montefusco, Adriano Papale, Ari Fiorelli, Daniele Scialanga, Marta Petyx, Alberto Ranavolo, Tiwana Varrecchia, Deborah D'Angelo, Orietta Angelosanto, Italy	
31	Design for Sustainability and Experience in Urban Planning Co-Chairs: Ayşe Yilmazaslan, Turkey and Momoko Sakai, Japan	SUPI
14:00-15:00 AHFE 7	Practices of coexistence: Exploring human-nature relations in urban community gardens Ayşe Yilmazaslan, Cigdem Kaya, Turkey Childcare-friendly play spaces for parents in community parks Xinran Li, Yifan Liu, Haichuan Li, Xiaoxi Cheng, China How street-building geometry modulates the effectiveness of smartphone map orientation methods in direction judgment Momoko Sakai, Yohsuke Yoshioka, Japan An examination of challenges for property owners and occupants in cecaying urban cores - A case study of Harare, Zimbabwe Faith Dowelani, Progress Kamonere, Zimbabwe Travel environment for the elderly in cultural heritage cities: Comparative study Zhiyuan Zheng, Yaoyao Yu, China	
32	Human Error and Performance Analysis I Co-Chairs: Eylem Thron, UK and Takahashi Kaito, Japan	HERRP
14:00-15:00 AHFE 8	Scenario-based human factors modelling of safety-security escalation in critical socio-technical systems Eylem Thron, Duncan Ki-Aries, Martin Freer, Huseyin Dogan, Shamal Faily, UK Designing personalized feedback comments for safety management based on personality and engagement: The PERSONATRACE scope framework Takahashi Kaito, Yu Shibuya, Yusaku Okada, Japan Investigation of an auto-belay failure within an indoor climbing gym David Eager, Australia Listen-in, stress-out: Edge-native voice biomarker fusion for proactive operator resilience management in main control room Xingwei Zhang, Hengrui Guo, Jianwei Niu, China	

33	Sensory Engineering and Emotion I Co-Chairs: Keiichi Watanuki and Kazunori Kaede, Japan	APD
14:00-15:00 AHFE 9	Voice-based human relaxation assessment using autoencoder-driven anomaly detection of calm speech Kanji Okazaki, Keiichi Watanuki, Japan Feasibility study of estimating visuospatial cognition and mental states using eye movement and brain activity during domain-specific tasks Masami Matsushima, Shunpei Kiuchi, Keiichi Watanuki, Japan Deep learning of latent gaze representations for cognitive ability and mental state estimation Shunpei Kiuchi, Masami Matsushima, Keiichi Watanuki, Japan Lightweight driver drowsiness detection model using MediaPipe Blendshapes and a dual-attention hierarchical BiLSTM Suhas Chavan, Kazunori Kaede, Keiichi Watanuki, Japan Estimating 3D ground reaction forces during gait using a deep learning model with IMU and plantar pressure data Hideyuki Nagashio, Yusuke Osawa, Keiichi Watanuki, Japan Integrating SOR and TAM models to explore consumer emotions and preferences in fur clothing design Sijia Wen, Wei Ding, China	
34	Physiological Monitoring and Decision Support in High-Risk Field Operations Co-Chairs: Belen Carballo Leyenda, Spain and Lucas Paletta, Austria	CCSS
14:00-15:00 AHFE 10	View2Decide: A wearable traffic-light display for real-time physiological decision support in military first response Florian Haid, Thomas Schnabel, Markus Bergen, Thomas Hölzl, Gerald Bauer, Austria Early prediction of physiological strain using multivariate time-series data Mohammad Yusuf Mohammad Yunus Quadri, Julia Tschuden, Florian Haid, Anna Weber, Markus Bergen, Lucas Paletta, Michael Schneeberger, Gerald Bauer, Thomas Hölzl, Austria Performance measurement in the virtual action trainer – enhancement through transcranial magnetic stimulation (TMS) and sensor data acquisition Tobias Rusch, Mirja Osnabrügge, Germany Real-time detection and machine learning classification of physical fatigue in construction workers using multi-modal digital biomarkers Shahnawaz Anwer, Maxwell Fordjour Antwi-Afari, Imran Mehmood, Arnold Yu Lok Wong, Siu Ngor Fu, Heng Li, Hong Kong SAR China Ergonomic assessment of lower-limb exoskeleton on physiological responses in wildland firefighters Belén Carballo Leyenda, Sheila Vázquez-Vegas, Álvaro Regadío, Jose A. Rodríguez-Marroyo, Spain	
35	Driver Performance, Behavior and Physiology I Co-Chairs: Birsen Donmez, Canada and Owen McCulloch, UK	RR
14:00-15:00 AHFE 11	Mitigating drowsiness through real-time driver monitoring system interventions Suzan Ayas, Birsen Donmez, Canada Quantifying the effectiveness of late notices as a means of giving critical information to train drivers Owen McCulloch, UK Making delays glanceable: Color-coded status and autogenerated tickers for led-matrix passenger information displays Waldemar Titov, Thomas Schlegel, Germany Understanding the voice of the press. A KPI-driven approach to analyzing press requirements for technology development Gioele Micheli, Seda Aydogdu, Germany Development and validation of the Indonesian motorcycle risky riding behavior questionnaire (MRBQ): An initial exploration of risky riding patterns Nabila Dearmi Jefri, Hardianto Iridiastadi, Chia-Fen Chi, Taiwan	

36	Health and Survival from the Micro to the Macro Scale I Co-Chairs: Roman Maciej Kalina and Artur Kruszewski, Poland	PMIA
14:00-15:00 AHFE 12	Physical activity of older people based on exercises in various forms of combat sports as a prevention of unintentional falls Artur Kruszewski, Michal Kruszewski, Michal Staniszewski, Poland The ability to act precisely before and after warming up educational sessions with adolescent violinists – pilot profiles Elizabeth Waszkiewicz, Poland MMAWW—an abbreviation of ‘martial arts without weapons’ as an attractive incentive to intensify the promotion of neogladiatorism Michal Kruszewski, Poland In the era of artificial intelligence (AI): Worldview, political preferences and sexual orientation - utopia or the real prevention Roman Maciej Kalina, Poland	

Refreshments: 15:00-15:30 (GMT+3) – Foyer

37	Next-Generation Learning: Innovations Shaping Teaching and Learning Chair: Christian Zagel, Germany	HSSE
15:30-16:30 AHFE 1	AI upskilling promoting peer-to-peer learning using self-selected real-work use cases Leonie Krauch, Carsten Schmidt, Wolfgang Beinhauer, Bernd Dworschak, Alexander Karapidis, Kathrin Schnalzer, Katharina Hölzle, Germany Development of future skills through innovative learning concepts: Evidence from the information systems 2.0 program at Coburg University Daniel Heim, Christian Grosch, Sophia Frank, Germany From concept to closet: Expectations and realities in circular denim design Lotta Straube, Germany DeepClass: Multilingual and personalized learning experiences Christian Zagel, Germany	
38	Human Factors in Knowledge Management, Innovation and Human Intellectual Capital Co-Chairs: Keijo Houhala and Henna Tanhuanpää, Finland	CIE
15:30-16:30 AHFE 2	The city as a learning platform: Student projects and knowledge creation in small municipalities Keijo Houhala, Vesa Salminen, Jari Stenvall, Finland Forecasting future skills requirements for education staff with an AI agent Henna Tanhuanpää, Heidi Ahokallio-Leppala, Vesa Salminen, Finland Understanding how AI-assisted evaluation influences innovative processes, collaboration, and creative confidence in design education Jiayue Wang, Jiawei Li, Lin Zhu, China	
39	Ergonomics, Human Factors and Work Efficiency Co-Chairs: Dengchuan Cai, Taiwan and Ali Aljaroudi, USA	SOE
15:30-16:30 AHFE 3	Trust repair in the organizations: Interaction of role conflict and positive emotions Noriko Okabe, Japan Occupational noise exposure during aircraft engine run-up task in aviation maintenance Ali Aljaroudi, USA Manual handling of passengers with reduced mobility inside airplanes: Workers' biomechanical overload risk mitigation Alessio Silvetti, Marta Petyx, Adriano Papale, Italy Assessment of knowledge, attitude and readiness of university of Latvia students in performing first aid resuscitation measures Romualds Razuks, Zenija Roja, Henrijs Kalkis, Inguna Ebela, Abdulaziz Awil Hashi, Latvia Measuring workload of food delivery riders under algorithmic management Yuying Zhang, Pei- Luen Patrick Rau, China	

40	Healthcare Design Applications and User Experience Co-Chairs: Anqi Tong and Hao Ge, China	UUE
15:30-16:30 AHFE 4	User needs analysis of home-based rehabilitation tools for young adults with chronic non-specific low back pain: A design-oriented interview study Pengda Lu, Wenjing Yang, China Health hazards associated with self-protective behavior of farmers field crops in Suanphueng District, Ratchaburi Province, Thailand Amonrada Rongthong, Thailand Multi-sensory collaboration design strategies for construction machinery teleoperation based on embodied cognition Hao Ge, Yonghong Liu, Zhe Dai, China System design-driven service experience design for ADHD children's families: Integrating hardware and software solutions—the case of “Heart Bridge” Anqi Tong, Xinyun Li, China Generative AI-driven multimodal interaction design for age-friendly health consultation Yuling Wang, Jintian Shi, China "It's a life, not a medical label": Balancing fashion rhetoric and emotional durability in health products Junyi Shi, Siguang Huo, China	
41	Automated and Autonomous Driving Co-Chairs: Ali Mostafavi, UK and Beate Statkus-Fortange, Germany	RR
15:30-16:30 AHFE 5	Learning from drivers: A case-based reasoning framework for takeover control in conditionally automated vehicles Ali Mostafavi, Wenge Xu, Oliver Carsten, Foroogh Hajiseyedjavadi, UK Driver takeover performance under different driving contexts and non-driving tasks in level 3 automated driving Meiqi Liu, Zhixian Zhu, Jie Chen, Yifan Zhang, Jiaqian Zhong, Yu Zhang, China Physiological assessment of driver trust in automated vehicles under distinct driving styles Yizheng Li, UK User scenario-based interaction design for level 4 autonomous Robo-Ride Systems Jeeyoon Han, South Korea Task-based AR-HUD in autonomous driving: enhancing driver agency, engagement, attention, and takeover performance Bingxin Sun, Danhua Zhao, China Balancing time-energy trade-offs in long-distance electric vehicle driving: The role of subjective appraisals in multi-goal regulation Beate Statkus-Fortange, Vivien Moll, Thomas Franke, Germany	
42	Symposium on Creative Technology and Digital Media Co-Chairs: Christopher Mayhorn, USA and Cunxin Tao, China	HFCD
15:30-16:30 AHFE 6	Designing personalized and situated conversational AI in urban public space Taery Kim, Kyuha Shim, South Korea Microtransit use in rural communities: Exploring persuasive messaging to promote prosocial behavior Christopher Mayhorn, Douglas T. Jonides, Akhira Watson, Eleni Bardaka, Munindar P. Singh, USA When creativity encounters algorithms: Personality traits as predictors of design students' adoption and dependence on ai-assisted design Yuan Yao, Kunjie Zhou, Yaming Liu, Yuxin Yao, China The inheritance and innovation of blue calico culture driven by AIGC: Exploring the generative AI design framework and craft visualization. Cunxin Tao, Ying Cao, Peiyao Cheng, China Climate science popularization packaging experience design based on Transmedia Narrative Theory Xinyuan Huang, Jingfang Wang, China Multimedia design from the perspective of embodied interactive narratives Yaoying Peng, China	

43	Advances in Workload Management, Training and Operations I Co-Chairs: Fabrice Drogoul, Belgium and Barbara Holder, USA	AVI
15:30-16:30 AHFE 7	Assessing signal detection performance under operational fatigue in air traffic controllers Clemence Drogoul, Berenice Delwiche, Fabrice Drogoul, Olivier Mairesse, Belgium Action-oriented pilot training Barbara Holder, Christopher Reed, USA The gold and the failed results of artificial intelligence in aviation Sam Holley, Mark Miller, Leila Halawi, USA Cognitive reinforcement for aircrew coordination with autonomous collaborative platforms in next-generation fighters Jean-Christophe Hurault, Marianne Jarry, Grégory Froger, Anne-Lise Marchand, Colin Blättler, France Pilot acceptance of reduced crew operations in commercial aviation: An empirical analysis of human factors, trust, and perceived safety Melanie Kranich, Sumona Sen, Germany Rethinking pilot training through the lens of Industry 5.0 Gülnoz Bülbül, Ewa Niechwiej-Szwedo, Shi Cao, Michael Barnett-Cowan, Elizabeth Irving, Canada	
44	Optimizing Learning and Performance II Co-Chairs: Agnieszka Cybal-Michalska, Poland and Mary Still, USA	TELS
15:30-16:30 AHFE 8	Shaping a pro-development orientation & proactivity as intentions corresponding to the process of self-education in a career in the globalizing world Agnieszka Cybal-Michalska, Poland Arctic maritime emergency management exercises in simulators: Reflections on learning and assessment techniques Natalia Andreassen, Rune Elvegard, Salman Nazir, Norway From tutor to co-instructor: AI–Human instructor roles in maritime simulator training and assessment Thi-Diem-My Ta, Salman Nazir, Per Haavardtun, Leif Inge Magnussen, Norway Internal-external parameters’ balance during cognitive performance as measured individual adaptive “norm” for learning/training Oleksandr Burov, Evgeniy Lavrov, Svitlana Lytvynova, Olga Pinchuk, Oleksii Tkachenko, Natalia Kovalenko, Svitlana Agadzhanova, Yana Chibiryak, Olena Pinchuk, Ukraine A bridge too far: Low literacy and cybersecurity materials Mary Still, Jeremiah Still, Hagar Baruch, USA Perceptions of undesirable software development tasks among computer science students Omar Chaaban, Mary Sánchez-Gordón, Selina Demi, Norway	
45	Kansei Design III Co-Chairs: Ari Aharari and Wonseok Yang, Japan	IPID
15:30-16:30 AHFE 9	Exploring enhanced notation display methods to support music reading acquisition Miyo Yamanaka, Wonseok Yang, Japan The impact of differences in UX writing on users’ Kansei: Framing effects of variations in tone and style Reiji Harada, Wonseok Yang, Japan Relationship between feedback in information processing and online shopping Sarina Funaki, Wonseok Yang, Momoka Muto, Japan Photo presentation methods for designing a consistent photography experience Sakata Yusei, Wonseok Yang, Japan	

46	Digital Environments, Game Design and Immersive Experience I Co-Chairs: Akgün Tokatlı, Turkey and Jessica Herzig, Germany	HFGD
15:30-16:30 AHFE 10	Evaluating aircraft cabin design in virtual reality: The role of environmental context Jessica Herzig, Eike Langbehn, Tessa Taefi, Justin Mittelstädt, Jörn Biedermann, Germany A conceptual human factors mapping model for VR design education: Examining awareness of ergonomic criteria in design decision-making Akgün Tokatlı, Turkey Design and evaluation of a multimodal feedback VR exergame for individuals with low vision Minglei Chen, China Comparative user experience of VR locomotion: Cyberith Virtualizer ELITE 2, Virtuix Omni Pro, and Free Walking Martin Marsal, Harry Benedikt Allmendinger, Christian Diegmann, Gerrit Meixner, Germany Game on? Exploring subgroup differences in the effects of gamification on task motivation in crowdsourcing Edwin Ricardo Gamboa, Fatemeh Niayeshnia, Soroush Daneshi, Matthias Hirth, Germany AR children's game design based on attention restoration theory: A case study of Dunhuang Feitian Park Qijia Yang, China New translation of Journey to the West: AR tabletop game system design and cultural translation based on cultural translation theory Meichen Lin, Pengcheng Guo, Qianyu Yao, China	

47	Design for Inclusion: AI and Assistive Technology Co-Chairs: Eleanor Ammerman, USA and Jiaqi Long, China	UDDI
15:30-16:30 AHFE 11	Breaking the silence: Design of a social-drama gamified toolkit for sensitive topics in children's sexuality education Jiaqi Long, Shuai Sun, Zile Xu, Zixuan Wang, China Industrial design student user interviews: Confidence, objectives, & gender Eleanor Ammerman, Betsy Barnhart, Carly Hagins, USA Limits and risks of artificial intelligence use in ergonomics Maycon Gustavo Costa Dos Anjos, Marcelo Soares, Eduardo Ferro, Mauricio Duque, Brazil Designing intelligent parenting assistive products for people with hearing impairments Lei Zhong, Jiaxuan Xu, China Keeping text-to-image generation aligned with requirements: Need-priority-driven co-creation Shuo-fang Liu, Yi Chieh Wu, Chang-Tzuoh Wu, Jui-Feng Chang, Taiwan From regulatory compliance to inclusive experience: Reframing accessibility as design identity in an accessible hotel room. Niccolò Casiddu, Francesco Burlando, Sara Iebole, Boyu Chen, Xin Zhao, Italy	

48	Workshop: Orchestrating Synthesized Human and AI-Agentic Workflows: AI Agency Benefit, Disruptions and Management Chair: William Lawless, USA	HFRDUS
15:30-17:00 AHFE 12	Orchestrating synthesized human and AI-agentic workflows: AI agency benefits, disruptions and management William Lawless, Marco Brambilla, Steve Russell, USA/Italy The risks, challenges, and potential opportunities with GenAI Kristin Schaefer, John Tomaselli, Larry Parrotte, Brandon Taylor, Antonio Magana, Henry Reimert, Selena Hamilton, Maggie Wignmess, Daniel Cassenti, USA Agentic LLMs for scalable, verifiable system health digital twins Chris Norton, Krishna Pattipati, Jordan Thurston, Deepak Haste, Sudipto Ghoshal, Somnath Deb, William Lawless, USA Modeling influence in agentic control structure for dynamic systems Ted Goranson, Beth Cardier, Matt Garcia, Australia When workflows stay stable but meaning moves in agentic analyst pipelines Stephen Russell, USA The new AI cyber frontier: Evaluating HITL requirements for autonomous agents in mission-critical environments Michael Mylrea, USA	

End of Day 1 Technical Sessions

49	Bridging Translational Gaps for Enhancing Human Well-Becoming III Co-Chairs: Christine Leitner, UK and Markus Warg, Germany	HSSE
9:00-10:30 AHFE 1	The mimetic power for the diffusion of innovation Johannes Hogg, Germany Translational Service Research and Design Methodology (TSRDM) and the public sector Christian Stiefmueller, Christine Leitner, UK Linking context to outcomes: Building transformational design patterns using service dominant architecture (SDA) Peter Weiss, Germany Fight infodemic and fake news by AI-human driven approach Francesco Polese, Luca Carrubbo, Giuliana Sorvillo, Mario Galderisi, Lebanon/Italy Bridging translational gaps in learning healthcare systems Nabil Badr, Claude Lawrence, II, Luca Carrubbo, Lebanon/Italy	
50	From Data to Implementation - Leveraging Health Informatics to Improve Patient Care I Co-Chairs: Sarah De Cristofaro, Italy and Ignacio Pavón Garcia, Spain	HIBEA
9:00-10:30 AHFE 2	A chest-worn quad-modal cardiac monitoring device combining ECG, PCG, SCG, and GCG with cross-modal motion artifact suppression Yingwei Li, Qianxiang Zhou, Zhongqi Liu, Mengmeng Jin, China Leveraging AI tools for emotion-safe dental imaging: Enhancing patient communication while preserving anatomical accuracy in surgical visualizations Sarah De Cristofaro, Salvatore Parrulli, Bernardo Parrulli, Luca Rizzi, Italy Machine learning-based identification of non-responders to a 12-month digital self-management in knee osteoarthritis Yingyi Li, Xiaoyi Wang, Calvin Or, Hong Kong SAR China A patient-centered approach to enhanced digital consent with AI and digital coaching Fuad Abujarad, USA The application of machine learning in postpartum low back pain Xiaoli Li, Wenjing Yang, China Digital biomarkers for the assessment of motor symptoms in Parkinson's disease: From daily life to intervention evaluation Ignacio Pavón Garcia, Carlos Polvorinos-Fernández, Irene Sánchez-Hernández, Guillermo De Arcas, Luis Sigcha, Spain	
51	Designing Interactive Technologies for Special Needs and Aging Workforce Support Co-Chairs: Yuki Taoka, Japan and Youle Liu, China	HFAS
9:00-10:30 AHFE 3	Understanding constraints on family caregivers' coping with psychological burden: A qualitative study toward support system design Ziqiong Zhang, Momoko Nakatani, Yuki Taoka, Naoki Mukawa, Japan Evaluation of a model of relational expectation misalignments in care: Case study of a public nursing home in Japan Hiroto Miyatake, Yuki Taoka, Emi Fuse, Naoki Mukawa, Momoko Nakatani, Shigeki Saito, Japan A multi-level elderly care system: Exploring spatial planning and digital integration in China's cities Zongyang Cui, Ying Nie, Xiaoqi Wang, China Designing a social exergame for community-dwelling older adults: The impact of collaboration conditions on psychological needs and gaming well-being Youle Liu, Zhuang Mou, Hanling Zhang, China Age-friendly design of in-vehicle AR-HUD interface based on the KANO-AHP-QFD Integrated Model Mingxuan Ding, Yu Wang, Yanhua Xu, Jiejun Dai, China Designing interactive robots for intervening social performance in children with Autism Spectrum Disorder Ying Yan, Shumeng Hou, China Memory Path: An inclusive multimodal interaction system design for home-based Alzheimer's care Pengcheng Guo, Meichen Lin, Peiyuan Du, China	

52	Ergonomics Evaluation Co-Chairs: Jie Gao and Shu Wang, China	ED
9:00-10:30 AHFE 4	Quantifying mouse grip comfort: A multi-level human-factors evaluation framework Jie Gao, Yilin Yang, Ke Zeng, Haining Wang, China Effect of cornice lighting distribution on perceived ceiling height in an immersive virtual environment Shinnosuke Takano, Yohsuke Yoshioka, Japan EcoCar: A human-centered design approach to sustainable urban micro-mobility Paulo Parra, André Gouveia, João Rocha, Portugal Revealing hierarchical evaluation structures in office chair usage using the evaluation grid method Luo Weiyang, Toshihisa Doi, Sayaka Noda, Sayaka Yamane, Seiji Minami, Satsuki Harada, Japan Development and validation of a dynamic multi-modal digital human hand model for ergonomic design of handheld products Huilin Dai, Yilin Yang, Haining Wang, China Construction and verification of a multi-level evaluation system for mattress comfort Shu Wang, Yuxuan Liu, Yujia Du, Yan Li, Guo Li, Huafeng Shan, Chun Wang, Haining Wang, China	
53	Cognitive and Psychosocial Ergonomics Co-Chairs: Henrijs Kalkis and Zenija Roja, Latvia	SOE
9:00-10:30 AHFE 5	Holistic assessment of ergonomic and psychosocial risks in remote and hybrid working models Serpil Aytac, Hüsre Gizem Akalp, Özlem Kaya, Gulsen Çetin Aydın, Turkey Prototype of a generative AI-based analogy application for human error case analysis Aoi Fujiwara, Yuka Banno, Yusaku Okada, Japan Psychosocial workload and multidimensional fatigue in computer-intensive office work: An integrative review of scientific literature Henrijs Kalkis, Zenija Roja, Anatolijs Roganovs, Romualds Razuks, Nora Kaufmane, Latvia Physio-cognitive fatigue loop in digital office work Kristine Kursite Germane, Henrijs Kalkis, Latvia Understanding ergonomic and psychosocial risks in older informal caregivers: The role and potential of digital interventions Marika Briede, Latvia Factors influencing the perceived parenting of multigenerational parents: A Partial Least Squares - Structural Equation Modeling approach Ikiah Bolivar, Rafael Isidore Daquipil, Joshua Ardel Galimba, Marien Libuit, Yoshiki Kurata, Philippines	
54	Design Strategy and User Interface Design I Co-Chairs: Romy Alm, Germany Simay Tanriverdi, Turkey	UUE
9:00-10:30 AHFE 6	Usability evaluation of a MR system for remote support during ECMO within clinical environment Romy Alm, Simon König, Claus Backhaus, Germany Exploring the anticipated user experience of autonomous delivery robots: A mixed-methods study on visual appearance Simay Tanriverdi, Ekrem Cem Alppay, Turkey Bridging senses and systems: Designing multisensory user experiences in omnichannel fashion retail Paulo Eduardo Hauqui Tonin, Maria Rita Ferrara, Elton Moura Nickel, Brazil Effects of different grip postures on the usability of portrait-mode mobile action games Chun-Yang Chiu, Chien-Hsiung Chen, Taiwan User experience on social media between adolescents and young adults Byungjoon Kim, Jin-ae Kang, USA Application potential of large language models as product user experience evaluation tools Xiaoyue Mao, Jun Zhang, Yijing Yang, Kaiyang Tang, China	

55	Human Factors in Operational Management and Leadership I Co-Chairs: Timo Holopainen, Finland and Gloria Gonzalez Sarmiento, Mexico	HFBMS
9:00-10:30 AHFE 7	Strategic personas at the intersection of HCI and marketing: A framework inspired by virtual chess players Khaldoon Dhou, USA Integrating predictive and agile approaches in university aircraft development projects: A hybrid project management framework Gloria Gonzalez Sarmiento, René Ileana Velazquez, Mexico When the final whistle blows: Identity, adaptability and skill transfer among retired team sport athletes Timo Holopainen, Arto Kuuluvainen, Harri Lappalainen, Jaakko Haltia, Finland Experiences from team sales competitions Timo Holopainen, Arto Kuuluvainen, Thomas Berger, Germany Value based sales within B2B companies in Finland Timo Holopainen, Arto Kuuluvainen, Zumrah Atif, Finland Negotiating beyond face-to-face: Critical challenges and skill requirements in digital buyer-seller interactions Timo Holopainen, Arto Kuuluvainen, Harri Lappalainen, Johannes Reiterer, Alexander Eigner, Eva Török-beisteiner, Finland Cognitive mechanisms in drone delivery interaction interfaces: An eye-tracking study Yutong Zhang, Yuxin Wu, Chaoyi Zeng, Tan Chunyun, Jiale Zhuang, Jialin Cai, China	
56	Innovations in Sustainable Industry II Co-Chairs: Clinton Aigbavboa and Ademilade Olubambi, South Africa	SBE
9:00-10:30 AHFE 8	'MoldVisor': AI-based mold detection technology for proactive building maintenance Danah Al Ameri, Bashayer Almenhali, Sara Almarar, Ahmed Shuhaiber, UAE Climate adaptation projects for resilient cities and social value: A scientometric review Nana Akua Gyadu-asiedu, Clinton Aigbavboa, Lerato Millicent Aghimien, Simon Ofori Ametepey, South Africa Towards net zero waste in construction: Modeling an AI-driven solutions for optimizing strategies in diverting waste from landfills Ademilade Olubambi, Oluwabukunmi Ogunsanya, Clinton Aigbavboa, Bolanle Ikotun, South Africa A data security framework: A step towards reducing data risks in the construction industry Ornella Tambwe, Clinton Aigbavboa, Toluwanimi Ogunade, Gloria Akanyawie Awnyetemy, Nana Akua Gyadu-Asiedu, South Africa Integration of BIM-based model in waste management toward net-zero construction using a lifecycle conceptualized mapping Ademilade Olubambi, Oluwabukunmi Ogunsanya, Clinton Aigbavboa, Bolanle Ikotun, South Africa	
57	UX and Virtual Environments Co-Chairs: Hua Qin, China and Chiu-hua Chen, Taiwan	UUE
9:00-10:30 AHFE 9	Effect of AR-HUD warning information presentation modes on driver situation awareness under single-hazard scenarios Chang Shen, Hua Qin, Shijiao Li, Xipu Shi, Chuanyu Zou, Linghua Ran, China Analyzing the user experience structure of websites with visual elements Koki Takashima, Masato Takanokura, Japan Toward human-centered immersive media design: Comparative insights from VT and television cultural experiences Chiu-hua Chen, Chien-Hsiung Chen, Taiwan Spatial user experience in telework spaces: Identifying the effects of ergonomic and affective factors on teleworkers' home-based experience Begoña Julia Nehme, Chile	

58	Training and Learning with AI Co-Chairs: Salman Nazir, Norway and Stefano Filippi, Italy	TELS
9:00-10:30 AHFE 10	Integrating generative AI in engineering education: A longitudinal framework on personality, roles, and perceptions Stefano Filippi, Emanuele Vaglio, Barbara Motyl, Italy Human–AI interaction in personalized learning: evaluating self-reported and ai-inferred learning preferences in adaptive educational systems Qingbin Cui, USA GENAI and search tools in design education: Comparative analysis of student creativity, outcomes, and experiences Xue Xia, Shuting Jin, Bote Qi, China Evaluating colored blob tracking, CNN and posture detection computer vision models on latency and accuracy in the application of a virtual drum kit Kenneth Y. T. Lim, Joshua Ze Quan Lee , Singapore AI and unplugged creativity: Reimagining accessible intelligence through ai-scaffolded paper-cutting for marginalized communities Jingjing Wang, Jiaxin Qin, Meiyan Leng, Zhiyu Liu, Duoduo Zhang, China Applicability of generative AI in learning systems for assistive technology development personnel training Satori Hachisuka, Haojie Li, Yuko Nishiura, Tadamitsu Matsuda, Nobuhiko Haga, Misato Nihei, Japan	
59	Design and Technology Innovation Co-Chairs: Nobuo Kanai, Japan and Benita Zulch, South Africa	CIE
9:00-10:30 AHFE 11	Co-creating institutions in space: How patient capital and entrepreneurial action shape new markets Nobuo Kanai, Yuriko Sawatani, Japan Evolution of retail space in Bulawayo: The rise and impact of small lettable unit shops Tiisetso Dube, Partson Paradza, Benita Zulch, South Africa Investigation of the effect of reflection triggered by psychological uncertainty in a design project Akira Ito, Rei Takemoto, Ryuei Koh, Shigeki Saito, Yuki Taoka, Japan Creative care in motion: Mediating institutions through design Yuriko Sawatani, Japan Determining the potential of AI in generating visionary innovations by observing generation Z Andreas Eursch, Germany	
60	Human-Centered and AI-Enabled Decision Support in Industrial Systems Co-Chairs: Turgut Refik Caglar and Elena Andrushchenko, Germany	ISE
9:00-10:30 AHFE 12	Human-centered decision support for data analytics in production systems Lennart Frederik Müller-Stein, Kevin Schwarz, Hendrik Sandkühler, Roland Jochem, Germany Designing error-resilient human-in-the-loop interfaces for battery passport compliance Dogan Efe, Elena Andrushchenko, Muhammad Muneeb Riaz, Roland Jochem, Germany Designing human-centric interfaces for the digital product passport in small and medium enterprises Elena Andrushchenko, Dogan Efe, Muhammad Muneeb Riaz, Roland Jochem, Germany METIS: A quality-oriented multi-stage decision framework for IT tool-stack optimization Can Cagincan, Juliane Balder, Roland Jochem, Rainer Stark, Germany Design and implementation of a knowledge-based assistance system for smart failure management in manufacturing SMEs using large language models Turgut Refik Caglar, Germany A human-centered systems approach to AI-enhanced VR training for home-based peritoneal dialysis Sarah Ahmed Alkindi, Saed Amer, Mecit Can Emre Simsekler, Zakia Dimassi, Siddiq Anwar, , UAE	

Refreshments: 10:30-11:00 (GMT+3) – Foyer

61	Knowledge and Creating Value in Teams, Organizations, Communities, and Societies Co-Chairs: Yasunobu Ito and Youji Kohda, Japan	HSSE
11:00-12:30 AHFE 1	Bridging the gap between stratification and personalization in precision medicine: "Invisible Labor" and value transformation in Japanese cancer genomic medicine Kazuo Sakai, Yasunobu Ito, Japan Shared value creation through hosting in long-term work-experience programs: Case studies from Japanese SMEs Masaki Hirakawa, Yasunobu Ito, Japan Creative horizontal deployment in the Japanese entertainment business: Architectural redesign and collaborative creativity through the life story of a content producer Yasunobu Ito, Makoto Tanaka, Japan What aspects of tacit knowledge are structurally excluded from generative AI?: A conceptual framework of mediation, structure, and representation Takashi Onoda, Yasunobu Ito, Japan Tacit knowledge management with generative AI: Proposal of the GenAI SECI Model Naoshi Uchihiro, Japan The dynamics of trust in AI systems: Human-machine collaboration within the MLS exploitation process Satoshi Okuda, Naoshi Uchihiro, Japan A stepwise, ethnography-informed observational learning framework for novice learners: Insights from undergraduate medical education Daisuke Aono, Yasunobu Ito, Japan	
62	Human Computer Interaction Applications: Efficiency and Performance Co-Chairs: Hüsre Gizem Akalp, Turkey and Shangyi Wu, China	HCI
11:00-12:30 AHFE 2	The impact of workstation ergonomics on digital fatigue in information technology workers Sevil Çirakoglu Kelleci, Hüsre Gizem Akalp, Ugur Saklangic, Turkey A wearable AR and gesture-ring system for enhancing presentation performance and reducing cognitive load Shangyi Wu, China The paradox of presence: asymmetric interaction in mixed reality distance performing arts education Xiaoran Han, Tomi "bgt" Suovuo, Uzair Irshad, Teijo Lehtonen, Tuomas Mäkilä, Erkki Sutinen, Finland Limitations of emotion recognition methods in usability testing: A case study of facial expression recognition on smart home terminal interfaces Fei Gao, Peng Ji, China Comprehensive modeling and evaluation of workload in driving simulation using the VACP paradigm Ayca Aygun, Matthias Scheutz, USA Information completeness and visual form differentially modulate emotional experience during mobile interface loading Tianmei Zhang, Ziyi Yang, China	
63	Neurophysiological Assessment and Modulation of Cognitive Functions Co-Chairs: Muhua Xu, China and Weiwei Ding, China	CN
11:00-12:30 AHFE 3	Regulatory effects of transcutaneous electrical acupoint stimulation on EEG power in 36-hour sleep deprivation-induced cognitive decline Muhua Xu, Weiwei Ding, Haowei Deng, Qianxiang Zhou, Zhongqi Liu, China Multimodal assessment of pilot cognitive workload using ECG and eye-tracking features in simulated flight tasks Yixuan Guan, Longzhu Han, Pengyan Zhou, Jiayi Bao, China Brain network-informed optimization of individualized tACS targets for working memory modulation Weiwei Ding, Muhua Xu, Qianxiang Zhou, Zhongqi Liu, China Psychological resilience and academic burnout: Serial mediation of cognitive flexibility and emotion regulation in university students Ozlem Ozden Tunca, Ayse Altunkaya Erdogmus, Betul Sahin, Turkey Eye movement analysis with color coding, target moving speed, and age effects on the target detection task Tahmida Fatmala Zulva, Chia-Fen Chi, Taiwan Interaction bandwidths of non-invasive BCI for interactive AI Sam Frish, Ihor Romanovych, Ukraine	

64	Health, Wellbeing, and Care Across the Lifespan Co-Chairs: Gul Dikeç, Turkey and Qin Du, Hong Kong SAR China	HCA
11:00-12:30 AHFE 4	Adolescents experiences with mental disorders: A qualitative study Merve Sarıtaş, Gul Dikeç, Anil Zencirkeser, Öznur Bilaç, Turkey NeckCorrect: Customizing ergonomic interventions for cervical spine health Qin Du, Junjian Chen, Yuqian Wang, Linlin Feng, Yan Luximon, Hong Kong SAR China Modular organ aging framework in the real world: Cost, frequency, equity, and a patient-facing calculator Pramath Kakodkar, Nooshin Shekari, Jay Kalra, Tareq Ahram, Canada/USA Automated hemostasis in limb trauma: FEM insights for tourniquet optimisation Emilia Vişileanu, Alexandra Gabriela Ene, Adrian Săliştean, Radu Herzog, Răzvan Scarlat, Romania Individual performance analytics in a virtual reality simulation for medication and medical supply storage: an experience report Rohan Saxena, Andrei Darii, Andrei Florea, Marian Sorin Nistor, Angela Huße, Lars Schneidereit, Stefan Pickl, Germany An ergonomic perspective on cortisol, cardiovascular risk, and anxiety in full-time faculty workers Alicia Alayón, Nohora Ochoa Arizal, Jose López Toro, Manuel Noreña Correa, Francisco Hernández Rojas, Colombia	
65	Safety Management and Accident Preparedness Co-Chairs: Kenneth Nemire and Alvaro Taveira, USA	SMHF
11:00-12:30 AHFE 5	Failure of roller coaster safety management at amusement parks Kenneth Nemire, USA How are the Nov. 1, 1966 loop fire fatalities tied into the overall fire shelter movement concealing the truths about other fatal and near-fatal fires Fred J. Schoeffler, USA The influence of safety training on perceptions of risk control and safety behavior: Evidence from a water utility company in Jamaica Alvaro Taveira, Allan Sappleton, USA From incident narratives to actionable controls: Insights on the iron & steel industry using LLM assisted learning from incident databases Giuseppe Tomasoni, Filippo Marciano, Paola Cocca, Martina Zorzi, Elena Stefana, Massimo Guarascio, Francesco Sergio Pisani, Bernardo Valente, Italy Root cause analysis of airplane technical failures with human-machine-environment-procedure (HMEP) taxonomy Chia-Fen Chi, Taiwan Misinformation risk: Epidemiological and social models Daniel Botelho, Maria Teresa Monteiro, Senhorinha Teixeira, Portugal Engineering safe human-autonomy teaming in swarm drone simulator applications using System-Theoretic Process Analysis extended for coordination Rune Stensrud, Sigmund Valaker, Aleksander Simonsen, Ina Berby, Norway	
66	Driver Performance, Behavior and Physiology II Co-Chairs: Patrizia Serra, Italy and Anabele Simoes, Portugal	RR
11:00-12:30 AHFE 6	Investigating the impact of driving workload on fatigue and performance for the purpose of road safety Patrizia Serra, Simone Podda, Mattia Porta, Gianfranco Fancello, Italy The technology era, truck platooning, truck drivers' activity, and risk awareness Anabela Simoes, Portugal Effects of multimodal whole-body vibration exposure in automobiles on occupants' tactile perception Junya Tatsuno, Tamaki Tsuchioka, Kazuma Ishimatsu, Setsuo Maeda, Japan Effects of viewpoint presentation methods on driving workload in vehicle teleoperation systems Taiga Fukuzawa, Kazunori Kaede, Keiichi Watanuki, Japan Personalized modifications of vehicle interiors for social inclusion Elena Angeleska, Jelena Djokikj, Anita Vasileva Ljubotenska, Vasko Changoski, Macedonia Accident guardian: A low-cost intelligent collision-detection system for enhanced emergency response Maitha Alhosani, Rawdha Almarzooqi, Asma Alheera, Fatima Aldhaheri, Ahmed Shuhaiber, UAE	

67	Human Factors and System Interactions Co-Chairs: Mario Simoes-Marques, Portugal and Yuki Aoki, Japan	SYSI
11:00-12:30 AHFE 7	Paper vision town: Designing an interactive system to experience color-vision diversity and color universal design Yuki Aoki, Japan Lower limb exoskeletons for orthopedic surgeons: A user-centred specification of design requirements Catarina Santos, Ana Teresa Videira Gabriel, Cláudia Quaresma, Isabel L. Nunes, Portugal A human-centered AI task management system for cognitive load reduction and decision support in industrial plant management Md Asfaqur Rahman, Md Masum Billah, Md Shahadat Hossain, Md Ahnaf Shahriar Tanim, Mohammed Munif Hasan, Wenhao Yang, Yueqing Li, USA/Bangladesh From task to intentionality automation: Mitigating the open-loop and metacognitive gaps in agentic AI systems Mario Simões-Marques, Portugal Enhancing learning efficiency and ergonomic well-being: A comparative study of handwritten, AI-assisted, and digital structured note-taking Jannatul Hur, Anirban Biswas, Sheikh Fuzael Rahman, Vincent Nyamollo, Adar Chowdhury, Dipankar Nandy, Yueqing Li, USA SIGNPAL: A human–AI interaction framework for real-time Sign Language translation Nadia Islam Tanha, Md Mehedi Hasan, Roksana Haque, Md Mahamudul Hasan, Jannatul Hur, Yueqing Li, USA Effects of Instagram feature usage patterns on subjective prospective memory and personality traits Hsin Yu Tsou, Jo-Han Chang, Taiwan	
68	Designing Trustworthy AI and Human-Centric Approaches for Secure Digital Futures Co-Chairs: Kitty Kioskli and Leandros Maglaras, The Netherlands	CYBER
11:00-12:30 AHFE 8	Simulating the threat: A phishing campaign to enhance cyber resilience in a large organization Leandros Maglaras, Kitty Kioskli, Antonis Adamakos, Stavros Kyriakoudes, Demetris Antoniou, Nestoras Chouliaras, Netherlands The psychological study of users' cybersecurity behavior: A scoping review Dennis Miether, Marcel Kiefer, Lars Gerhold, Germany Micro-decisions under time pressure and dark patterns in digital interfaces Dimitris Koutras, Kitty Kioskli, Vangelis Malamas, Greece Designing an AI-driven framework for human-centered cybersecurity practices Kitty Kioskli, Pedro Tomás, Wissam Mallouli, João Fernandes, Dimitrios Koutras, Luis Cordeiro, Dimitrios Kallergis, Netherlands A trust-aware, biometrically-secured social network using decentralized identity protocols and the analytic hierarchical process for collaboration Joseph Shelton, Albert Esterline, Yasmin Eady, Christopher Parham, Brian Dowtin, Kofi Kyei, USA	
69	Design for All and Cultural Heritage Co-Chairs: Satoshi Kose and Yoshiaki Goto, Japan	UDDI
11:00-12:30 AHFE 9	How to design for inclusion in cultural heritage: The relation between object and context Michela Benente, Valeria Minucciani, Italy Practicing universal design of housing in Japan: Accomplishments and future directions Yoshiaki Goto, Satoshi Kose, Japan Accessibility of historic heritage reconsidered: The role of topography Satoshi Kose, Japan Transition of universal design in Japan's construction industry Yukari Semmyo, Kiho Yaoita, Yoshiaki Goto, Japan The case for co-creation to mediate cultural heritage museums toward inclusive communication for all Michela Benente, Valeria Minucciani, Daniel John Mangano, Charina Knutson, Italy Designing DATG 2.0 through inclusive and co-design approaches: A human-centered research project for non-invasive health technologies Giuseppe Mincoletti, Silvia Imbesi, Angelo Taibi, Antonino Proto, Jacopo Altieri, Marcello Bonfè, Saverio Farsoni, Rosa Brancaccio, Italy The invisible users: Gender-differentiated UX failures in municipal digital services and the child-rearing penalty in public information access So Nishina, Japan	

70	Human Teaming and Interaction Robotics in Autonomous Systems Co-Chairs: Andre Kushniruk, Canada and William Hunt, UK	HFRDUS
11:00-12:30 AHFE 10	Effects of swarm size variability on operator workload William Hunt, Aleksandra Landowska, Horia Maior, Sarvapali Ramchurn, Mohammad Soorati, UK A computer-vision approach to accessible robot control: Hand gesture recognition for users with limited mobility or speech Amin Majd, Mehdi Asadi, Juha Kalliovaara, Finland Emotive design heuristics: A methodology for creating and validating empathetic design heuristics for human-robot interaction Andre Kushniruk, Seper Rohani, Elizabeth Borycki, Canada User perception and sentiment analysis of knee exoskeletons for hiking based on social media comments: A preliminary study Qingyuan Kan, Tiejun Ma, China Rule-based interpretable AI for concurrent collision detection in industrial robot manipulators Hesam Jafarian, Uras Ayanoglu, Finland	
71	Human-Centered Design for Aging, Neurodiversity, and Assisted Care Co-Chairs: Andrew Weakley, USA and Fleur Middlebrough, England	HFAS
11:00-12:30 AHFE 11	Improving students with special educational needs (SEN) accessibility in higher education Fleur Middlebrough, Fateha Shaheen, UK Living with time: Designing olfactory rhythms and adaptive homemaking in dementia care Natsumi Wada, Silvia Maria Gramegna, Italy Reframing life experiences: Emotional reappraisal through AI-generated memory videos for older adults Kakeru Takahashi, Noriaki Kuwahara, Japan AI-driven art therapy: A domestic interactive platform for children with high-functioning autism Chenhui Yang, China A plug-and-play desktop system for remote care of older adults with Alzheimer's disease Shreyas Aswar, Andrew T. Weakley, Priyanka Koppolu, Sarah Tomaszewski Farias, Alyssa Weakley, USA Designing for reminiscence in digital photo systems for older adults: A scoping review Yiting Shen, China	
72	Human Factors in Artificial Intelligence and Social Computing II Co-Chairs: Michael Hildebrandt, Norway and Lauri Koivunen, Finland	AISC
11:00-12:30 AHFE 12	Governing the transition to action: An agentic architecture for situation-aware LLMs Michael Hildebrandt, Norway The effects of AI feedback styles on user engagement and output quality in decision-making tasks Kang-Hung Liu, Yuan Yuan Li, Pei-Yu Cheng, Yun-Shao Chang, Li-Ti Yang, Taiwan Reliability science for robotics and physical AI: Foundations, gaps, and emerging frameworks Amos Njeru, Rosa Njagi, Casam Nyaga, Ruth Wario, USA Multi-source food names mapping using OpenAI vision, Manual Dictionary and Fuzzy Matching Techniques Shyam Bhetuwal, Lauri Koivunen, Rehan Khalil, Sanna Koskimäki, Hanna Lähde, Veera Houttu, Kirsi Laitinen, Tuomas Mäkilä, Finland Product design with human-machine collaboration and AI integration into design process Huajie Wang, China Trust and calibration in AI-mediated decision support under conditions of risk Angela Fike, Tian Wang, Masooda Bashir, USA	

12:30-14:00 (GMT+3) Enjoy lunch at the restaurant of your choice

73	Interdisciplinary Design Co-Chairs: Cliff Shin and Yong-Gyun Ghim, USA	IPID
14:00-15:00 AHFE 1	Designing facial expressions for service robots: A context-specific approach Yong-Gyun Ghim, Junghoon Baek, USA/South Korea A human factors framework for adaptive athlete-centered product design Susan Sokolowski, USA Examining the impact of a three-day human-centered design workshop on the professional learning of educational leaders Saadeddine Shehab, Rachel D Switzky, USA A morphology and ergonomics informed approach to unobtrusive RFID tagging in hand tools Jung Joo Sohn, Sundas Qaiser, Chia-Hsuan Lai, Yuhong Mo, USA Integrating physical testing and digital workflow: A hybrid platform for seating prototyping and design Connor Irwin, Hannah Mendelson, USA Designing for technology research: Case study of wearable devices for assistive technology Niravkumar Suryakant Patel, Manasi Anand Kanetkar, Uttama Lahiri, Australia/India Innovative design method of passenger seat in China's EMUs Hong-bao Wang, Hai-Nan Liu, Hao-Ying Xie, Ying Zhao, Xin Li, Ze-rui Xiang, China	
74	Human Computer Interaction: User Experience and User Interface I Co-Chairs: Yaqian Liu, China and Wangfan Li, USA	HCI
14:00-15:00 AHFE 2	Automated generation of situational judgment tests for civil aviation flight attendants using large language models: Method and preliminary evaluation Yaqian Liu, Qida Hao, Jian Cheng, Cuixia Ma, Bo Jia, Peiru Chen, Gang Jie, Jingyu Zhang, China Usability testing of virtual reality for visualizing indoor smoke propagation and extraction Jussi Haapasaari, Taneli Nyysönen, Dennis Bengs, Eero Nirhamo, Tommi Immonen, Joni Rajamäki, Mikael Manngård, Teijo Lehtonen, Finland Applying mobile signaling data to tourist mobility analysis in regional destinations: Evidence from Taiwan Hsiang Chuan Chang, Pei Ling Su, Hsing-Yu Lin, Jung Yeh, Chien-Yu Chen, Jung Yeh, Taiwan From ambiguous intentions to reassuring yielding: A Chinese cultural tradition "Li" based interaction etiquette model for vehicle eHMI design Nan Wang, Chunxi Huang, China Eliciting fairness via micro-ethics embedded interfaces for machine learning workflows Wangfan Li, Carlos Toxtli, USA Sense of agency in brain-computer interface-controlled lower-limb rehabilitation exoskeletons: Factors and design implications Qingyu Zhao, Haoyu Li, Pei-Luen Patrick Rau, China	
75	Human-Centric Systems: Advancing Ergonomics, Performance, and Well-Being Co-Chairs: Sai Raghava Pathuri, USA and Saed Amer, UAE	ISE
14:00-15:00 AHFE 3	Zero-trust access control for IoT in critical infrastructure environments Osama Khashan, Samar Mouti, Nour Khafajah, Nachaat Mohamed, Waleed Alomoush, UAE A digital twin framework for uncrewed systems (UxS): Uncrewed ground vehicle (UGV) use case Sai Raghava Pathuri, Bhushan Lohar, Sudhanshu Tarale, Ninad Pandit, USA Employee perceptions of lean production system implementation: Method integration and perceived success with occupational health and safety outcomes Anne Gemeiner, Uwe Dombrowski, Tim Mielke, Germany Dynamic driver risk management: Integrating AFDD and FMEA Saed Amer, Hasan Al-Ali, Maitha Almarzooqi, Khalifa Almansoori, Aisha Alzahmi, UAE	

76	Driver Performance, Behavior and Physiology III Co-Chairs: Georgios Papaioannou, Netherlands and William Payre, UK	RR
14:00-15:00 AHFE 4	Back behind the wheel: Musically induced emotions and driving behaviour in an immersive simulator William Payre, Saif Alatrash, Costas Karageorghis, UK Which voice communication content and features promote cooperation in driving? An experiment of lane changing Jingyue Zheng, Liang Ma, Wei Zhang, Tingru Zhang, China Intelligent in-vehicle agents: Effects of content valence and humor level on emotional experiences and perceived effectiveness Yi Wang, Yubin Xie, Wei Zhang, China Does the testing environment matter? Carsickness across on-road, test-track, and driving simulator conditions Georgios Papaioannou, Barys Shyrokau, Netherlands Perceived thermal comfort in vehicles with glass canopies – a user study in high temperature summer conditions Jan Philip Westerkamp, Lynn Katharina Lintzen-Hage, Sarah Irmer, Valentin Schulz, Nicolas Daniel Herzberger, Germany A novel EEG-driven multidimensional modelling of the driver performance envelope for a user-centred human-vehicle interaction Giorgi Andrea, Vincenzo Ronca, Francesca dello Iacono, Marianna Cecchetti, Rossella Capotorto, Stefano Menicocci, Dario Rossi, Pietro Aricò, Gianluca Borghini, Federica Biassoni, Manuela Bina, Fabio Babiloni, Gianluca Di Flumeri, Italy	
77	AI Design Applications and User Experience II Co-Chairs: Zhi-hao Shou and Ji-Xian Ho, Taiwan	UUE
14:00-15:00 AHFE 5	The silent language of priority seating: Invisible needs, attention barriers, and the legitimacy crisis in public transit Ji-Xian Ho, Chien-Hsiung Chen, Taiwan An observation on the accessibility of a connecting ramp between campus buildings Zhi-hao Shou, Chien-Hsiung Chen, Taiwan A behavioral observation on spatial configuration and circulation planning of the food court area in a hypermarket Yishi Tan, Chien-Hsiung Chen, Taiwan The interplay of gender and anthropomorphism in AI avatar design: An empirical study on user experience in financial contexts Ziyi Chen, Meichen Liu, Mingyuan Zhang, Stephen Jia Wang, Hong Kong SAR China Design of an intelligent product–service system for last-mile express delivery in the Chinese context Xinchao Peng, Pengfei Zhao, China Beyond visuals: Addressing cognitive load and usability challenges in an enterprise mobile application design Soo Yun Kim, Qiwen Zhao, Iain Lowe, Christi Wilbert, USA	
78	Human Factors in Operational Management and Leadership II Co-Chairs: Tanja Matarma and Heikki Ruohomaa, Finland	HFBMS
14:00-15:00 AHFE 6	Human factors associated with techno-eustress and techno-distress Kimmo Vanni, Jarmo Viteli, Antti Syvanen, Erika Tanhua-Piironen, Finland The significance of regional ecosystems for the global business chain in responding to sustainability challenges Heikki Ruohomaa, Vesa Salminen, Finland Human-centred governance for responsible AI adoption: Enabling sustainable business transformation and societal value Bernard Wong, Australia From lean agile maturity to AI readiness: A theoretical management analysis in the digital age Julia Yumi Ito, Brazil Invisible monitoring of human performance Mikko Pohjola, Tanja Matarma, Ismo Hämäläinen, Elisa Hakamäki, Anssi Saari, Ashley Pryke, Eero Savolainen, Johanna Ihalainen, Tomi Vääntinen, Elina Kontio, Finland Mapping sustainability: Developing a socio-technical matrix for the classification of sustainable business models Helmut Wittenzellner, Kevin Wollert, Germany Determining factors influencing purchase decision of eco-friendly products among Filipino generation Z consumers Reich Alexandria Balubal, Hristos Wee Hugo Beronio, Gabriel Angelo Cabral, Eurica Shane Casao, Yoshiki Kurata, Philippines	

79	Workplace Safety: Trust in AI and Data Science Co-Chairs: Karine Ung, Canada and Akide Cerci, Turkey	SMHF
14:00-15:00 AHFE 7	Implementation and adoption of AI-based camera systems for pedestrian detection on construction sites: Field insights on barriers and enablers Karine Ung, Damien Burlet-Vienney, Firdaous Sekkay, Aida Haghighi, Chantal Gauvin, Anouk Aubert-Simard, Caroline Jolly, Francois Gauthier, Canada Human error and artificial intelligence interaction in occupational safety Akide Cerci, Ismail Ekmekci, Turkey 'Training and assessing hazard perception in high-risk occupations: Toward an AI-driven adaptive and immersive simulation Sébastien Tremblay, Cindy Chamberland, Isabelle Turcotte, François Vachon, Canada Rider safety in outdoor equestrian activities: Behavioral and environmental approaches Qiaohan Lu, Zihao Wang, China Structured functional training enhances motor skill acquisition and functional health in adolescent athletes: A randomized controlled trial Yuan Gao, Ziqi Wang, Yong Li, Yueheng Ma, China Economic reforms and their impact on sustainable health and safety practices in Nigeria construction industry Olatoyese Oni, Clinton Aigbavboa, Kunle Elizah Ogundipe, South Africa	
80	Physical Ergonomic Risk Assessment: Methods and Techniques II Co-Chairs: Michihiko Fukunaga, Japan and Dian Darina Indah Daruis, Malaysia	PEHF
14:00-15:00 AHFE 8	Differences in mandolin tremolo motion between beginners and experts: Implications for skill acquisition Michihiko Fukunaga, Japan Illumination on floating storage and offloading vessels Dian Darina Indah Daruis, Fatin Humaira' Mohd Naim, Malaysia The impact of physical and mental stress on the cognitive abilities of employees in Industry 5.0 manufacturing environments: A systematic literature review Zanda Borovska, Henrijs Kalkis, Latvia Comparison of the risk assessment results using the two versions of Key Indicators Method-Manual Handling Operations (KIM-MHO) Ei-wen Lo, Taiwan A methodological framework for upper-limb comfort reachability modeling using biomechanical simulation and point-cloud representation Jundong Pei, Yuanming Lv, Can Yang, Pengyu Chen, Huimin Hu, Junmin Du, China Assessing the subjective effects of a passive low-back exosuit in manual urban waste collection: A pilot study Andrea Catalano, Giuseppe Andreoni, Nicola Lopomo, Italy	
81	Design Methods for Health, Mobility and Inclusion Co-Chairs: Amon Onodera, Japan and Mehrun-Nisa Raja, Canada	SUPI
14:00-15:00 AHFE 9	Effects of the pony wall position and memory strategy on reproduced spatial depth in a virtual environment Amon Onodera, Yohsuke Yoshioka, Japan Human-centered risk scenario modelling for urban and infrastructure resilience Taivo Kangilaski, Jaanus Kaugerand, Estonia D-GAM: An adaptable gamification framework for enhancing public participation in built environment design Mehrun-Nisa Raja, Halil Erhan, Canada Elevator installation in old residential communities (EIOC): Towards sustainable urban renewal Xie Shiyang, Zhou Fang, Xiaorui Yang, Zhen Wang, Yao Hao Yang, Bingqing Tang, China Designing hospital modernisation using mathematical graph methods Agata Banaszyk-Jakubowska, Agata Gawlak, Agnieszka Rumieć, Poland Marine Protected Area (MPA) digital twin framework and its perspectives Letizia Artioli, Giovanni Borga, Pietro Costa, Italy	

82	Ethics, Power, and Cultural Meaning in Human-Centered Artificial Intelligence Co-Chairs: Albena Nakova, Bulgaria and Yazhou Chen, China	GIC
14:00-15:00 AHFE 10	Model of integrated talent cultivation in AIGC-driven short film production Yazhou Chen, China Quality of life in contemporary society: Social dimensions in the context of digitalization and artificial intelligence Albena Nakova, Valentina Milenkova, Emilia Chengelova, Karamfil Manolov, Bulgaria Skill development, maintenance, erosion, and revaluation: How knowledge workers experience generative AI Oscar Oviedo-Trespalacios, Felicia Laksanadjaja, Helma Torkamaan, Netherlands AI-empowered design of museum cultural and creative products: Consumer perception of creativity and its impact on consumption decision-making Chengcheng Ma, Mengkun Bi, Min Hua, China From result imitation to cultural translation: An intelligent generation approach for dong brocade patterns based on patternology Jia Qin Li, China	
83	Cognitive and Physiological Human Factors in Emergency Command and Control Co-Chairs: Clemens Könczöl and Wolfgang Weiss, Austria	CCSS
14:00-15:00 AHFE 11	Integrating firefighters' individual physical state in enhanced automated respiratory protection monitoring as decision-support: Influence on cognitive load in complex incident operations in a VR-Study Clemens Koenczoel, Deborah Huber, Alexander Elser, Manfred Pollheimer-Stadlober, Jochen A Mosbacher, Martin Pszeida, Wolfgang Weiss, Sandra Pichler, Jasmina Schmidt, Klaus Tschabuschnig, Josef Rampitsch, Georg Schwarzott, Hannes Kern, Marie Ottilie Frenkel, Lucas Paletta, Dietrich Albert, Bettina Kubicek, Austria Conversational co-design with machine agency Rutuja Jog, Canada Mobile platform for integrated multimodal data capture in immersive first responder training and decision support research Martin Pszeida, Michael Schneeberger, Wolfgang Weiss, Clemens Koenczoel, Alexander Elser, Klaus Tschabuschnig, Deborah Huber, Manfred Pollheimer-Stadlober, Sandra Pichler, Jasmina Schmidt, Josef Rampitsch, Georg Schwarzott, Dietrich Albert, Bettina Kubicek, Marie Ottilie Frenkel, Jochen A Mosbacher, Hannes Kern, Lucas Paletta, Austria Investigating mindfulness and decision-making under stress using immersive virtual reality firefighting scenarios Alexander Elser, Clemens Koenczoel, Deborah Huber, Manfred Pollheimer-Stadlober, Jochen A Mosbacher, Martin Pszeida, Sandra Pichler, Jasmina Schmidt, Klaus Tschabuschnig, Josef Rampitsch, Georg Schwarzott, Hannes Kern, Dietrich Albert, Lucas Paletta, Bettina Kubicek, Marie Ottilie Frenkel, Germany Decision-making in emergency response organisations: Human factors challenges and implications for digital support systems Hannes Kern, Katja Hüttenbrenner, Clemens Koenczoel, Deborah Huber, Manfred Pollheimer-Stadlober, Alexander Elser, Jochen A. Mosbacher, Martin Pszeida, Wolfgang Weiss, Sandra Pichler, Jasmina Schmidt, Klaus Tschabuschnig, Josef Rampitsch, Georg Schwarzott, Marie Ottilie, Lucas Paletta, Dietrich Albert, Bettina Kubicek, Austria/Germany	
84	Human Factors in Accessibility, Assistive Technology and Digital Environments I Co-Chairs: Chenyang Mao and Sihan Zhao, China	AATDE
14:00-15:00 AHFE 12	Foldness: A measurement index for building facade richness in old residential areas and evaluation of urban spatial vitality Huimin Xie, Chenyang Mao, Wenjian Pan, China Echo: A human-computer collaborative design of an intelligent object-finding system for the visually impaired Muxi Liu, Sihan Zhao, China SeeBeyond: An AI-powered mobile AR system for context-aware color assistance Zixuan Mei, Diwen Liu, Zhuoyue Xu, Jiasi Gao, China Voluntary product accessibility templates: Who watches the watchmen? Betsy Tucker, Alisha Rall, Daniel Ireton, USA The adoption of 4IR technologies in the management of quantity surveying services: Bibliometric review Motheo Tjebane, Sandile Wonderboy Sibiya, Molusiwa Stephan Ramabodu, Imoleayo Abraham Awodele, Gift Laolang, South Africa Understanding cognitive factors for the choice of physical controls for in-vehicle content accessibility Sookyung Cho, USA	

Refreshments: 15:00-15:30 (GMT+3) – Foyer

85	Reimagining Service Innovation: Balancing Benefits in the Digital Age Co-Chairs: Debra Satterfield, USA and Christine Leitner, UK	HSSE
15:30-16:30 AHFE 1	Place make the vote: Designing for voter participation and civic engagement Tom Tredway, USA A phenomenological experiment of human-AI communication to study online discourse Yuri Misnikov, UK Dispositions, situations, and trust: Keys to autonomous shuttle acceptance Maranda McBride, Stephanie Kelly, USA Retreat redesign: A case study using the IIPL approach Wesley Woelfel, USA	
86	Discourse on the Communication of Design Through the Lens of Human Values Co-Chairs: Ke Chen, China and Xiaolei Guo, USA	HFCD
15:30-16:30 AHFE 2	The effects of presentation formats on comprehension of digital health information Ke Chen, China Reframing immigrant narratives through AI-assisted co-creation and immersive experience: A case study of ideal home Xiaolei Guo, Ruiqi Zhang, Weitong Sun, Jingrui An, USA Redesigning urban flow: An emotion intervention for colour walk Amic G. Ho, Hong Kong SAR China From Pixel to Mesh: Accelerating game asset creation via a semantically-guided 2D-to-3D generative pipeline Jie Hu, Jinyu Li, Zixia Wang, Zhixian Li, Ka-Chun Chan, Xinpo Ma, Zhaoli Jiang, Yingfang Zhang, China Innovative design of WUXI wedding embroidery and the classic Chinese animation: The golden conch based on AIGC Qige Xu, China Fragmented verbal dysfunction: Interactive communication design for language awareness in digital media Zhibin Zong, China	
87	Interaction with Emerging Technologies Co-Chairs: Saga Masaki, Japan and Zhaoyi Kang, China	CIE
15:30-16:30 AHFE 3	Analysis of resource requirements in business planning using futurability education approach Saga Masaki, Kurashiki Tetsusei, Japan Turning the water–energy–food perfect storm into business opportunities: A blockchain framework for South Africa Love David, Nnamdi Nwulu, Clinton Aigbavboa, South Africa A Geneplore model-based taxonomy of digital tools for supporting creative design processes Mengkun Bi, Chengcheng Ma, Min Hua, China Lumora cards: An annotated portfolios-based design tool to support novice designers in integrating smart materials into interactive physicalization Zhiyu Li, Xiaoyu Zhang, Jiamin Guan, Qingyu Hu, Haiqing Xu, Yuanfang Rong, Yuzhen Hu, Yihan Dong, Dongjun Han, Xipei Ren, China Catalyst theory-informed design methods for community health science communication services Zhaoyi Kang, Mengfei Liu, China	
88	Human Teaming and Interaction Drones in Autonomous Systems Co-Chairs: Helmut Wittenzellner, Germany and Geert de Cubber, Belgium	HFRDUS
15:30-16:30 AHFE 4	Human factors in the design of human–machine interfaces for counter-drone systems Daniela Doroftei, Geert de Cubber, Xavier Depreytere, Belgium Human-friendly control of drones and drone swarms using natural language and AI-based task decomposition Geert de Cubber, Daniela Doroftei, Belgium European university–industry collaboration for civil counter-drone protection: A human-centered, AI-game-based socio-technical systems approach Helmut Wittenzellner, Marcin Wardaszko, Willy Christian Kriz, Germany Centralized control architecture for human-supervised mission-critical unmanned x systems swarms Batuhan Özcan, Birte Thomas-Friedrich, Germany	

89	Physical Ergonomics in Design Co-Chairs: Jiaqi Zheng and Luyu Song, China	ED
15:30-16:30 AHFE 5	Bridging the proprioceptive gap: Ergonomic development and evaluation of a task-specific controller for adolescent first-aid serious games Luyu Song, Yiwei Zhao, Tianmei Zhang, China A deviation propagation graph model and deviation propagation computation method for rigid-flexible hybrid assembly Yikai Zhou, Feng Lv, Zuguang Huang, Haoyu Yu, Xiaojun Liu, China Thermal illusion for wearables: Effects of vibrotactile parameters and placement on thermal masking and comfort Jiaqi Zheng, Wei Wang, Guanhua Sun, Ruixiao Zheng, China Design of handheld fire extinguishers based on human-centered design principles Meng Fan Li, Lei Zhong, China Material immortality: Designing for eternity Catarina Carreto, Rui Carreto, Portugal Gendersensitive ergonomic evaluation of a disposable ureteroscope handle Yang Li, Xiangcheng Qiu, Houqi Huang, Shi Lei Su, Haining Wang, Jing Ou, China	
90	Human Factors in Rail Transport Co-Chairs: Gülara Mat, Turkey and Sarah Kusumastuti, Netherlands	RR
15:30-16:30 AHFE 6	Exploring passenger experience on high-speed rail for digital engagement: A case study of Turkish high speed train passengers Gülara Mat, Ekrem Cem Alppay, Turkey Development of Human Factors toolkit to inform behavioural and cognitive research in the railway domain Sarah Kusumastuti, Tom Kolkman, Julia Lo, Simone Borsci, Netherlands Design and evaluation methods for non-technical skills training for Shinkansen train crew Eiko Takayasu, Hiroaki Fujishiro, Takeshi Chiba, Japan With Pixels & Timber: Application of mixed reality for human-centered train design & engineering Dalibor Andrijevic, Austria Operational transitions to automation: A scoping review with implications for future rail service Tom Kolkman, Sarah Kusumastuti, Simone Borsci, Julia Lo, Netherlands	
91	Industry 4.0 and Intelligent Manufacturing Technologies Co-Chairs: Álvaro M. Sampaio, Portugal and Haris Karic, Germany	MFG
15:30-16:30 AHFE 7	Artificial intelligence in industrial production: A survey of concepts, technologies and practical application in an intelligent production environment Haris Karic, Arockia Selvakumar Arockiadoss, Daniel Schilberg, Germany Enhancing design flexibility in electric vehicles via robotic extrusion-based additive manufacturing Álvaro M. Sampaio, Vitor Carneiro, António J. Pontes, Portugal Employment initiatives for an ageing workforce: A case study Beata Mrugalska, Jakub Nawrocki, Poland	
92	HMI Design and Studies Co-Chairs: Simon Saurbier, Germany and Jun Iio, Japan	SYSI
15:30-16:30 AHFE 8	Measurement and evaluation of the interaction forces of specific hammer drilling strategies to determine requirements for dynamic hand-arm models Simon Saurbier, Markus Piszczowski, Andre Becker, Lukas Kleinhans, Lukas Bunk, Dieter Krause, Sven Matthiesen, Germany Gamified, learner-built applications for language study: Effectiveness, limitations, and implications Jun Iio, Japan FRAM analysis of a berthing accident in a high-throughput Brazilian port - failing safely in a complex and non-linear workplace Josue Franca, Mônica Neves, Jeniffer Paula, Maria Luiza Castro, Brazil Enhancing human-system interaction in order picking through ergonomics-based decision support Mónica Gaboleiro, Isabel L. Nunes, Maria Isabel Gomes, Portugal Work demands and the impacts of current work practices Dubesh Sai Mangam, Urmi R Salve, India Backhoe and loader excavator operators' workplace health and safety and gaseous pollutants Vesna Spasojevic Brkic, Ivan Mihajlovic, Nemanja Janev, Martina Perišić, Abdulghder Mohamed Alsharif, Serbia	

93	Design Strategy and User Interface Design II Co-Chairs: Anil Kumar, USA and Rong-Kai Chu, Taiwan	UUE
15:30-16:30 AHFE 9	Reducing cognitive load in expert interviews: Interface design and application of a spreadsheet-based CASI system Rong-Kai Chu, Tung-Ming Lee, Taiwan Usability of respirators for Wildland (W) and Wildland Urban Interface (WUI) Anil Kumar, Sarah Glanville, Manasa Hegde, Carmen Roberts, Tanay Arora, USA Implementing a human factors plan for an augmented reality eyewear: Field-based usability and ergonomics evaluation methods Adrian Morales Casas, Clara Solves Camallonga, José Manuel Rojas, Mathieu Feuilliade, Spain Design and implementation of the Meituan Design System Tool based on design token Xue Ding, Ziyun Huang, China Redefining cultural experiences: An AR interaction design study of chu phoenix pattern patterns based on the cultural three-factor theory Xinyun Li, China Spatial optimization and design of recreational public parenting rooms based on user experience: A case study of Nanjing Hongshan Forest Zoo Yijia Shan, Yaoying Peng, Chenfang Hu, Zihui Qu, China	
94	Towards Safer, Smarter and Sustainable Maritime Operations: Insights from Research and Practice Co-Chairs: Massimo Maresca, Italy and Amit Sharma, Estonia	MAR
15:30-16:30 AHFE 10	Explainable decision support for icebreaker assistance estimation Cong Liu, Sibghat Asad, Mashrura Musharraf, Finland Human machine interaction failure modes in maritime grounding accidents: A decision-oriented data driven analysis Wassim Kaci, Amit Sharma, Italy Ship-to-shore interconnection for yacht passenger safety Massimo Maresca, Francesco Rea, Carlo Andreotti, Italy Emergency response for uncrewed mass passenger ferries: Coordination between ROC, rescue services, and passengers in multi-hazard scenarios Nicole Costa, Staffan Bram, Victor Fabricius, Ted Sjöblom, Erik Nilsson, Sweden Marine accident investigation: Is there a common approach to communication as a contributing factor to maritime casualties? Anne Bouyssou Chen, Estonia Remote pilotage: The profession of maritime pilot in a changing landscape Anne Bouyssou Chen, Estonia	
95	Human Computer Interaction: User Experience and User Interface II Co-Chairs: Ian Garcia, Belgium and Dongfang Yang, China	HCI
15:30-16:30 AHFE 11	Research on anti-mistouch design and usability evaluation of aircraft human-machine interaction touch interface for dynamic environments Shuting Yang, Longzhu Han, China Multi-level natural language interaction for eliciting implicit preferences in interactive vehicle routing Mingwei Chen, Liang Ma, China A thematic synthesis of HCI for productivity and wellbeing: Findings from a systematic review Anam Ashraf, Vietnam Factors affecting binge-watching motivations among Filipino viewers across streaming platforms: An integration of the theory of planned behavior Linne Samantha Abracero, Valiant Victor Ang, Reign Aldrin Balatbat, Gabriel Carbonell, Yoshiaki Kurata, Philippines A narrative design-driven interactive strategy for multi-source data analysis of crew workload Yutian Lei, China Designing assistive instructional systems for ceramics craft education Ian Garcia, Emmelien Briké, Ignace Goethals, Louis Hellemans, Tiger Asarby, Ruth De Maeyer, Joke Verlinden, Belgium	

96 Sensory Engineering and Emotion II		APD
Co-Chairs: Weilin Ye and Hao Ren, China		
15:30-16:30 AHFE 12	Effect of changing task sequence on physical workload in agricultural operations Soei Obara, Yusuke Osawa, Kazunori Kaede, Keiichi Watanuki, Japan Influence of social appearance attributes of cyber driving support agents on the passenger effect Shinada Nachi, Kazunori Kaede, Keiichi Watanuki, Japan Design of a community-based digital platform for standardized stray cat rescue based on service system design Weilin Ye, China Generative AI-enabled innovative design for cultural heritage: a research framework for cultural creative products based on Yingxian wooden pagoda Hao Ren, Lei Zhong, China Multisensory interactive conceptual design for Nanyin art based cultural healing via human-AI collaboration Zhiyu Zhao, Siqi Sheng, China Digital UI design for intangible cultural heritage: Cultural translation and emotional design in Jiayi Village, Xinjiang Yunxiang Li, China	

End of Day 2 Technical Sessions

97 Styled for Innovation: Fashion, Service, Arts, and Museums as Creative Ecosystems		HSSE
Co-Chairs: Clara Bassano, Italy, Miwa Nishinaka, Japan, and Debra Satterfield, USA		
9:00-10:30 AHFE 1	Algorithmic affect and micro-gestures: Emotional codes in fashion live shopping Benedetta Russo, Sara Kaufman, Matilde De Luca, Clara Bassano, Italy Fashion creativity, regenerative practices and visual communication: An exploratory research Paola Sabbatino, Clara Bassano, Gabriella Sofia Interlandi, Alessandra Di Ronza, Italy Designing liquid heritage: How hybrid museum experiences shape co-created cultural value Federica Fatima Rosaria Dias, Giuseppe Di Fuccia, Tommaso Roviello, Italy Aesthetic value and service ecosystems in the age of generative AI Miwa Nishinaka, Clara Bassano, Hideaki Takeda, Japan/Italy Reconstructing the authenticity of Wajima lacquerware in the disaster recovery process Ryosuke Sakaguchi, Itsuro Kaneyama, Shogo Takie, Kunio Shirahada, Japan	

99 Human Factors in Accessibility, Assistive Technology and Digital Environments II		AATDE
Co-Chairs: Tobias Rusch, Germany and Ekin Sözer, Turkey		
9:00-10:30 AHFE 3	Blind and low vision users’ experience with AI-infused banking chatbots: AI-specific experience dimensions and system usability Ekin Sözer, Zeynep G. Karapars, Turkey Evaluating the acceptance of computer-assisted interpreting tools using the technology acceptance model Adrián Valledor, Josefa Gómez, Elena Alcalde, Raquel Lázaro, Eva Huertas, Abdelhamid Tayebi, Spain An Information-centric and AI based digital twin framework for the design of human-robotic interactions (HRI) in orthopedic surgery Joe Cecil, Miguel Pirela-Cruz, USA When is congruence optimal? Impression-dependent effects of product-avatar matching in VR commerce Michiko Inoue, Shota Hioki, Japan Exploring the user experience of virtual reality in displaying and learning high-risk home appliances Yu-Hsuan Huang, Chien-Hsiung Chen, Taiwan	

100	Human Computer Interaction: Virtual and 3D Environments Co-Chairs: Vanessa Roberts, Estonia and Youssef Ibrahim, Austria	HCI
9:00-10:30 AHFE 4	Reliable outdoor localization for mixed reality object placement and user localization Youssef Ibrahim, Christoph Weiß, Elisabeth Broneder, Austria Co-designing an Avatar-based agent for cybersecurity training in VR for personnel in critical infrastructure sectors Vanessa Roberts, Tiia Sömer, Rain Ottis, Estonia An open-source VR training system for gynecological LLETZ procedures Ute Trapp, Benjamin Meyer, Matthias Kiesel, Anne Scherer-quenzer, Germany UX design for XR experiences: Creating interactions in three dimensions Marcos Silberman, Hanah Correa, Brazil Designing experiment software optimized for data yield, immersion, and control in naturalistic human factors experiments Cara Spencer, Spencer Anderson, Leanne Hirshfield, USA	
101	Human Intelligence and AI in Digital Technology Co-Chairs: Yuuki Shigemoto, Japan and Zhanzhong Zhu, China	HFCD
9:00-10:30 AHFE 5	Human intelligence in the era of artificial intelligence: Towards scientific spirituality and spiritual science Yuuki Shigemoto, Japan Design and translation of urban bus shelter based on Xinjiang Corps reclamation culture Zhanzhong Zhu, Jie Zhang, Weilin Cai, Liping Liu, China When light embraces porcelain: How correlated color temperature and emotion influence the visual perception of porcelain Shiyue Hu, Han Shu, Yifan Lin, Zhenhong Huang, Xiaozheng Zhang, Jianliu Zhuang, Miaohui Wang, China Design strategies for mobile games on ICH education based on artificial intelligence: A case study of Huangmei cross-stitch culture Luyao Liu, Zhiyu Zhao, China Digital cultural and creative customization of intangible cultural heritage under human-AI collaboration: A case study of Yunnan tile-cat Zhiyu Zhao, Yu Gu, China The impact of an AI-assisted cultural relic restoration experience system on public agency, trust, and information verification behaviors Sihan Zhao, Xunyi Zhang, China	
102	Social and Work Environment Risk Assessment Co-Chairs: Seina Nakayama and Miki Saijo, Japan	SOE
9:00-10:30 AHFE 6	How people really take breaks: Insights for human-centered office space design Seina Nakayama, Chenjun Ma, Kaede Ichikawa, Tsuzumi Nakamura, Wataru Umishio, Katsuhiko Sakata, Kiyoshi Kanaya, Miki Saijo, Japan Integration of myotonometry and eye tracking as objective assessment of intensive display-based office work Henrijs Kalkis, Zenija Roja, Tatjana Pladere, Linda Krauze, Liga Ozolina-Molla, Reinis Alksnis, Jevgenijs Viznuks, Latvia Work related musculoskeletal injury rate and ergonomics in bronchoscopy: A global survey Veronica Bessone, Germany Work environment risks and ways to prevent them in solar panel installation processes in Latvia's renewable energy sector Neonila Hackevica, Henrijs Kalkis, Zenija Roja, Latvia From tradition to ergonomics: Assessing work-related musculoskeletal risk in pizza makers Rosaria Califano, Antonio Cannavacciuolo, Antonio D'Auria, Alessandro Naddeo, Italy Assessment of work-related psychosocial factors among primary healthcare employees Marwan Babiker, Zenija Roja, Henrijs Kalkis, Latvia	

103	Skill Learning and Performance Assessment in AI Era Co-Chairs: Thomas Koester and Mariam Mastour, Denmark	TELS
9:00-10:30 AHFE 7	The importance of integrating personality as a topic in crew resource management training Thomas Koester, Mariam Mastour, Denmark Beyond precarious hustling: An AI-oriented curriculum framework for sustainable creative entrepreneurship in the global south Mohammed Aminu Sanda, Mohammed-Nuru Sallama, Ghana Embedding industry certifications in higher-education assessment: Challenges and opportunities Charlene Wilson, UK Perceived social support, psychological resilience, university commitment and academic achievement in inter-institutional transfer students Inci Gürel, Ozlem Ozden Tunca, Turkey Technology-enhanced learning for emergencies: Mapping the impact of simulator and VR training Salman Nazir, James Badu, Natalia Andreassen, Rune Elvegard, Norway	
104	Design Method Exploration Co-Chairs: Joyce Thomas, USA and Megan Strickfaden, Canada	IPID
9:00-10:30 AHFE 8	Appropriated: Design and the practice of everyday life Marguerite Dreyer, USA Practicing industrial design: Design intent part one Joyce Thomas, Suresh Sethi, Jerrod Windham, Shea Tillman, Megan Strickfaden, USA/Canada A practical, operational definition of “intuitive” industrial design Sheridan Kromann, Chris Arnold, USA Hacking as a co-creation method for specialized soft product design Elsie Osei, Zoe Wagner, Emma Carr, Michael Antwi, Jackie Fisher, Thomas Lai, Elizabeth Lai, Chenshuo Li, Megan Strickfaden, Canada Educating industrial designers: Design intent part two Megan Strickfaden, Jerrod Windham, Suresh Sethi, Shu-Wen Tzeng, Shea Tillman, Joyce Thomas, Canada/USA	
105	Human Factors in Operational Management and Leadership III Co-Chairs: Zeynep Kabadayı Kuşcu, Turkey and Jin Xie, China	HFBMS
9:00-10:30 AHFE 9	The role of management commitment in facilitating organizational change readiness: The mediating role of communication satisfaction Oyinketonye Moyinoluwa Ebuku, Zeynep Kabadayı Kuşcu, Turkey Sustainability in value creation systems: A systematic literature review and development of an integrative framework Jonas Christian Dietz, Manuel Kaiser, Marc Rüger, Germany Leading with inclusion: How inclusive leadership and deaf space shape work inclusivity experiences for deaf and hard of hearing employees in Malaysia Nor Wahiza Binti Abdul Wahat, Siti Noormi Alias, Nor Haniza Abdul Wahat, Malaysia Private-sector-led orchestration of urban mobility: A case study of strategic alliance among competing railway operators for social implementation So Nishina, Japan Will time pressure stimulate shared leadership in temporary teams? An explanation based on social exchange theory Jin Xie, Guan Jingyan, Yu Peng, China Organizational systems intelligence, psychological safety and perceived performance Aleksi Juvonen, Satu Jumisko-Pyykko, Sanna Nieminen, Kirsu Kemell, Mikko Seppälä, Satu Honkanen, Jaana Saarisilta, Finland Efficient by design: Using behavioral nudges to eliminate errors and unlock high-performance operations Joseph Caccitolo, USA	

106	Sensory Engineering and Emotion III Co-Chairs: Hongjia Lin and Shiqi Yao, China	APD
9:00-10:30 AHFE 10	From memory to medium: Investigating how generative AI-based dream recreation supports emotional restoration and self-continuity Hongjia Lin, China Effects of virtual reality-based speech practice on psychological states and performance Itsuki Kubota, Kazunori Kaede, Keiichi Watanuki, Japan A data-driven method for cross-regional user insight Shiqi Yao, Danhua Zhao, China Innovation pathways in cultural and creative product design: An emotional design perspective based on the palace museum Yuequn Zhang, Xiaotong Wu, China Traditional brand image activation design strategies based on narrative theory Li Yishan, Lei Zhong, China Collaborative system design of natural landscape art therapy and visual breathing therapy for alleviating working adults' depression Long Xiaohui, China	
107	New Approaches, Tools, and Technology in Design Education Through Practice Co-Chairs: Min Kang, USA and Shi Lei Su, China	IPID
9:00-10:30 AHFE 11	Knowledge navigated and organized together (KNOT): An AI-integrated system design for enhanced collaborative learning in higher education Diya Suresh Nair, Min Kang, USA Industrial design education by the numbers: National trends and patterns in IPEDS data Ali Ilhan, USA AI smart glasses product design analysis: A system dynamics perspective Lu Wang, Jun Zhang, Jinzhuo Liu, China An intelligent generative design method for Peking opera-inspired locomotive liveries under cultural and engineering constraints Peng Ji, Shi Yuan, Peng Shiyao, Yu Ming Sun, Shi Lei Su, China Scale of permanence of products: Designing products in relation to nature's limitations and opportunities Braden Trauth, USA Music track story: Children's music track rolling ball building blocks based on physical acoustics and AIOT Chanwen Pu, China	
108	Modeling and Simulation Applications in the Utility Industry Co-Chairs: Zining Yang and Alec Lin, USA	HFSIM
9:00-10:30 AHFE 12	From manual patrols to automated detection: Leveraging aerial imagery, computer vision and large language models for wildfire risk mitigation Haranath Varanasi, Zining Yang, USA Safety predictive model with machine learning and its application in DART Analysis in utility Alec Zhixiao Lin, Isaac Chen Fu, USA Scalable threat detection in customer interactions using LLMS and LLM-as-judge framework Jonathan Presto, USA Human performance modeling in virtual factories: A simulation-driven ergonomics approach Chunshih Cheng, Chia Chen Kuo, Chien-hsin Yang, Yujie Tsai, Taiwan	
Refreshments: 10:30-11:00 (GMT+3) – Foyer		
109	The Human Side of Service Engineering Co-Chairs: Hinata Nogi and Hanshu Wang, Japan	HSSE
11:00-12:30 AHFE 1	Exploring necessary conditions for high and low patient ratings in online healthcare consultation: An LLM-based weak supervision approach Hanshu Wang, Xiuzhu Gu, Japan Development of “Weave Back”: An integrated system for human error prevention Hinata Nogi, Joohyun Lee, Yusaku Okada, Japan Bridging institutional maturity and public attention: A mixed-methods study of telemedicine institutionalization in Japan Hanshu Wang, Shizu Gotoh, Xiuzhu Gu, Japan Human–environment interaction in a supermarket retail service system: A field study Shui Tsai Yen, Chien-Hsiung Chen, Taiwan	

110	Design, Ergonomics, and Physical Interaction in Healthcare Systems Co-Chairs: Dilan Çabuk Çolak, Turkey and Louise Moody, UK	HCA
11:00-12:30 AHFE 2	Effects of an electric drive wheel on hand force, body posture and perceived exertion during hospital bed transport by nursing Alina Bola, Niels Hinricher, Chris Schröer, Claus Backhaus, Germany Comparing human- and machine-guided virtual reality training: The role of physiological stress in learning outcomes Dilan Çabuk Çolak, Mehmet Emin Aksoy, Dilek Kitapcioglu, Tuba Usseli, Hayrettin Can Südor, Turkey From design to trial: Understanding lived experience and the role of shapes in home-based therapy for post-stroke elbow spasticity Louise Moody, Mark Reeves, Avril D. McCarthy, Jamie Healey, Ali Ali, Wendy Tindale, Krishnan Padmakumari Sivaraman Nair, UK Improving outcomes in patients' refractory to standard therapies: Dual-mechanism to mitigate antigen escape for bridge-to-transplant immunotherapy Derya Dilek Kançağı, Cihan Taştan, Selen Abanuz, Didem Çakırsoy, Gözde Sır Karakuş, Bulut Yurtsever, Utku Seyis, Raife Dilek Turan, Ömür Selin Günaydın, Gamze Tumentemur, Samed Özer, Cansu Hemşinlioğlu, Cavit Kerem Kayhan, ilham Gafarlı, Koray Yalçın, Ümit ince, Siret Ratip, Ercüment Ovalı, Turkey Design and workflow in single-family NICU rooms: Examining flow disruptions in infant care Herminia Machry, Lorena Muzel Gomes, Marzia Chowdhury, USA	
111	Cognition and Decision-Making in Complex Human-System Interactions Co-Chairs: Debra Henneberry, USA and Noushin Qeybi, Germany	CCSS
11:00-12:30 AHFE 3	Towards fair representation in AI-mediated decision-making: A conceptual model for socio-technical contexts Noushin Qeybi, Khadija Sabiri, Gustavo Vieira, Germany Creating a framework for the collection of biometric and environmental data during collegiate flight training Debra Henneberry, Mark Wilson, Sudip Vhaduri, Julius Keller, Dimitrios Ziakkas, USA Augmented memory and attention in UI interaction: NTDC as an information-theoretic framework for learning and multitasking Lance Chong, Canada Perceived light environment in closed space based on EEG analysis Xiaohui Du, Shaowen Ding, Andi Wei, Xiaoyu Cao, China Distributed cognition in phygital design interventions: Community-system communication in marginalized urban contexts Savira Aristi, Kenta Ono, Hisa Martinez Nimi, Japan	
112	Human Factors in Urban Road Transport Co-Chairs: Taichi Morioka, Japan and Jung Yeh, Taiwan	RR
11:00-12:30 AHFE 4	Tracing human movement through mobile signaling big data: New possibilities for mobility analysis Jung Yeh, Xing-Wei Liu, Shinichi Muto, Chia-Yin Kuo, Pei-Ling Su, Hsiang-Chuan Chang, Taiwan Effect of pedestrian signal display methods on perceived waiting time Taichi Morioka, Yohsuke Yoshioka, Japan Impact of flat-rate pass on user exploratory behavior in multimodal transportation So Nishina, Japan Understanding the formation mechanisms of fatigued driving among heavy-duty truck drivers: A mixed-methods study from a human factors perspective Yu Zhang, Zhixian Zhu, Yufei Wang, Haoyang Zheng, China Visual perception of roadside advertisements by diverse urban mobility system Saptarshi Kolay, Udit Shivansh, Aman Raj, Sukalp Dabral, India	

113	From Data to Implementation - Leveraging Health Informatics to Improve Patient Care II Co-Chairs: Congyu (Peter) Wu, USA and Peter Corridon, UAE	HIBEA
11:00-12:30 AHFE 5	Human factors influencing trust in healthcare providers as primary COVID-19 information sources among cancer survivors: A health belief model analysis Safa Elkefi, Dario Trapani, Congyu (Peter) Wu, USA Vitreous humor as a preservation-based ECM design platform for tunable and reproducible bioengineering systems Peter Corridon, UAE Expert evaluation and guidance for a home-based rehabilitation system in postpartum low back pain Xiaoli Li, Wenjing Yang, China Physics-informed neural networks for ultrasound-based varicose vein screening Fan Yang, Qian Mao, Hong Kong SAR China Advances in intelligent rehabilitation systems for chronic nonspecific low back pain Pengda Lu, Wenjing Yang, China	
114	Innovations in Sustainable Industry III Co-Chairs: Liezl Le Roux, South Africa and Izza Anwer, Pakistan	SBE
11:00-12:30 AHFE 6	The development of policy analysis about carbon neutrality: A bibliometric review Peihan Wen, Zhouhai Chen, Yuan Fu, Yujiao Shu, China Measure of resiliency of information, communication and other smart-technologies in underdeveloped flood-affected communities Izza Anwer, Irfan Yousuf, Pakistan Human-centred carbon decision-making in early design: A systems review of lifecycle carbon leverage Liezl Le Roux, Hano Jacobs, Lara du Plessis, South Africa Bamboo FlexGrid: A participatory design of campus social furniture from a behavioral activation perspective Yuting Zhang, China Framework for integrating smart waste management system in the South African construction industry Comfort Iyiola, Winston Shakantu, South Africa A framework for integrating digital ergonomics into sustainable construction site management Love David, Clinton Aigbavboa, Ayobami Idowu, South Africa Ascertaining the optimal combustion temperature and duration of rice husk ash as a supplementary cementitious material: A literature survey Matthew Kwaw Somiah, Clinton Aigbavboa, Frederick Owusu Danso, Jeriscot Quayson, Isaac Yaw Manu, Micheal Biney, Wellington Didibhuku Thwala, Benjamin Kodjo Aidoo, Ghana	
115	Health and Survival from the Micro to the Macro Scale II Co-Chairs: Roman Maciej Kalina and Artur Kruszewski, Poland	PMIA
11:00-12:30 AHFE 7	Financing the removal of the effects of natural disasters in physical culture facilities by local government units in Poland Zbigniew Norbert Piepiora, Justyna Bagińska, Paweł Adam Piepiora, Poland Reducing the risk of falling and teaching safe falling as a basic element supporting health resort treatment Patryk Wicher, Anna Wicher, Michał Mółka, Bartłomiej Gąsienica-Walczak, Poland The ability to act precisely during various states of body arousal – alternative profiles of the students Robert Bąk, Poland Physical activity and selected health behaviors of tourism and recreation students Artur Litwiniuk, Behnam Boobani, Juris Grants, Jan Supinski, Poland	

116	Physical Ergonomics Evaluation Co-Chairs: Xiaoyi Wang, China and Alberto Ferreras Remesal, Spain	PEHF
11:00-12:30 AHFE 8	An AI-powered model for automatic real-time assessment of seated work postures using rapid upper limb assessment (RULA) Xiaoyi Wang, Calvin Or, Hong Kong SAR China Integrating physical and psychosocial risk assessment across age and gender: Preliminary findings from the European WAge Project Alberto Ferreras Remesal, Mercedes Sanchis Almenara, Alicia Piedrabuena Cuesta, Sonia Serna Arnau, Richard Merhi Auar, Marisa Salanova Soria, Sonia García García, Patricia Such Faro, Spain Design of a rapid assessment tool to identify ergonomic risk factors due to manual material handling tasks in mexican workers Sergio Alberto Valenzuela Gomez, Sergio Neri-Ledezma, Diana-Enid Alatorre-López, Mexico Ergonomic risk assessment of agricultural tractors: A systematic review of literature Benette Custodio, John Kenneth Punongbayan, Philippines	
117	Human Factors in Operational Management and Leadership IV Co-Chairs: Dong Nguyen, Finland and Anna Klioutchnikova, Russia	HFBMS
11:00-12:30 AHFE 9	From technology-driven to human-centered: Organizational capabilities for sustainable digitalization in SMEs Dong Nguyen, Arto Reiman, Jari Kaivo-oja, Maria Lindholm, Susanna Mattila, Tarmo Karhu, Tero Sotamaa, Tyyne Hulkko, Tero Villman, Finland Algorithmic institutional financial intermediaries: Formation and development Igor Klioutchnikov, Maria Sigova, Anna Klioutchnikova, Russia AI support for improving managerial decision-making processes with respect to workforce planning Ferhat Kutlu, Turkey Ontology platform routing disaster information and data for decision making Vesa Salminen, Matti Pyykkönen, Ari Saarinen, Finland Small- and medium-size enterprises: Challenges for return to work Iuliana Nastasia, Romain Rives, Canada Enhancing digital advertisement design: Eye-tracking analysis of spatial layout influence on viewer attention Emad Bataineh, Mohamed Baesl Almourad, UAE Educating for the unknown: ICT curricula in a rapidly shifting software future Noora Nieminen, Paula Steinby, Tuomo Helo, Finland	
118	Human Factors in Accessibility, Assistive Technology and Digital Environments III Co-Chairs: Hadeel Nooreldin, UAE and Anderson Goes, Brazil	AATDE
11:00-12:30 AHFE 10	"Simply": AI-powered browser extension to support people with learning disabilities Murad Al-Rajab, Samia Loucif, Suhail Odeh, Hadeel Nooreldin, Sedra Dawalibi, Hajra Nadeem, UAE Beyond assistive and educational technologies: The emergence of educational assistive technology Anderson Goes, Priscila Costa, Heliza Góes, Brazil Effects of auditory–tactile rhythmic cueing on gait parameters in older adults Jun Yuan Chiu, Jo-Han Chang, Taiwan When spatial immersion meets diverse experiences: Exploring virtual scenes through Gaussian splatting and parametric iteration Tianyu Han, Portugal	
119	Sensory Engineering and Emotion IV Co-Chairs: Waleed Al-Nuwaier, Saudi Arabia and Liwen Zhang, China	APD
11:00-12:30 AHFE 11	Effect of adding scent stimuli on commercial videos to enhance memory Konoka Tamaru, Takashi Sakamoto, Toru Nakata, Toshikazu Kato, Japan Designing for emotional resonance: Affective communication in cultural heritage interfaces Amic G. Ho, Hong Kong SAR China An intelligent smart mirror framework for real-time emotion awareness and LLM-based reflective guidance Waleed Al-Nuwaier, Reema Ahmad Albrak, Lamees Alghanem, Norah Bin Ajlan, Saudi Arabia Mitigating urban emotional alienation through multisensory design: A human factors evaluation of an installation-based intervention Liwen Zhang, China Toward autonomous acquisition of manufacturing skills - The importance of awareness and understanding of embodied cognition for performance improvement Yoshifusa Matsuura, Japan	

120	Human Factors in Operational Management and Leadership V Co-Chairs: Henrijs Kalkis, Latvia and Jennifer Romano, USA	HFBMS
11:00-12:30 AHFE 12	The power of intention and the hindrance of ego in UX Jennifer Romano, Melanie Stollstorff, USA The impact of management styles on innovation capabilities in companies in Latvia Barba Lielbarde, Salvis Lielbardis, Anda Batraga, Jelena Salkovska, Henrijs Kalkis, Latvia Unlocking internal and external innovation capabilities: The role of strategic leadership in digital era Faisal Imran, Khuram Shahzad, Aurangzeab Butt, Finland Regional sustainable innovation via trust and preparedness Minna Takala, Taina Tukiainen, Finland Emotional UX breakdown and organizational untangling: Toward emotional infrastructure design Yuko Hirai, Japan Industrial SMEs' experiences of network agency Sanna Nieminen, Satu Jumisko Pyykko, Kirsi Kemell, Mikko Seppälä, Satu Honkanen, Finland	

12:30-14:00 (GMT+3) Enjoy lunch at the restaurant of your choice

121	Advances in Workload Management, Training and Operations II Co-Chairs: Fabian Reimer and Sebastian Cornelje, Germany	AVI
14:00-15:00 AHFE 1	Understanding ownership effects within the human-centred XR co-design process for aircraft cabin concepts Fabian Reimer, Sebastian Cornelje, Jessica Herzig, Line Winkler, Jörn Biedermann, co-design process for aircraft cabin concepts, Germany Physical vs virtual design: Advancing the XR+ method for facilitated passenger aircraft cabin co-design Sebastian Cornelje, Fabian Reimer, Jessica Herzig, Line Winkler, Jörn Biedermann, Germany Human body models for crash safety analysis of reclining posture occupants: Applicability and adaptation Can Yang, Jundong Pei, Yuanming Lv, Huimin Hu, Junmin Du, China Human factors associated with startle and surprise events in aviation operations: A large-scale analysis of NASA ASRS Reports Preeti Yogendra Sharma, Venkat Ram Reddy Ganuthula, India Explainable AI for emergency landing decisions: A comparative study of learning classifier systems and neural networks Boris Djartov, Evelyn Yamillet Quintero Guzman, Jakob Suchan, Germany	

122	HSSE 2027 Planning Session Co-Chairs: Christine Leitner, UK, Clara Bassano, Italy, and Debra Satterfield, USA	HSSE
14:00-15:00 AHFE 2	HSSE Future Directions and Planning for 2027	

123	Measurement, Sustainability, and Physiological Insights in Healthcare Co-Chairs: Zoher Rafid-Hamed, Canada and Serap Ulusam Seckiner, Turkey	HCA
14:00-15:00 AHFE 3	A spatial language abilities assessment model for diagnosing Chinese speakers in the prodromal stage of dementia Cheng-Li Liu, Taiwan Skin temperature dynamics during sleep onset latency under different ambient temperatures Shengnan Liu, Jiewei Li, Jingya Zheng, Siyuan Guo, Weidan Sun, Yuan Zhao, Hengyue Zhang, Fanglai Yao, Fujun Zhang, Wenze Chen, Li Ding, China Bridging the gap: Toward a unified framework for transparent and patient-centered error disclosure Zoher Rafid-Hamed, Bryan Johnston, Anjali Saxena, Jay Kalra, Canada Work related musculoskeletal injury rate and ergonomics in endourology: A global survey Veronica Bessone, Germany Integrating active and passive injury surveillance at scale: Redesigning the institutional injury surveillance intake process Nancy Daraiseh, Maurizio Macaluso, Jonathan Colvin, USA Therapeutic applications of remote aviation (T.A.R.A.): A neuroergonomic framework for aerially mediated cognitive-affective modulation Suvipra Singh, USA	
124	Digital Tools and AI for Architectural Design Co-Chairs: Yuki Murata, Japan and Mario Chaves, Portugal	SUPI
14:00-15:00 AHFE 4	Bridge inspection support framework incorporating human reliability Yuki Murata, Kosei Koizumi, Akito Sakurai, Yusaku Okada, Japan The effect of wall shapes on the startle reaction of pedestrians on half-turn staircases Takeshi Ona, Yohsuke Yoshioka, Japan The infinitary–noetic–protometric architecture Mario Chaves, Portugal PEFT strategies for human–AI co-creation in architectural morphogenesis Chie Fuyuki, Shuichi Nagao, Vadim Grigorev, Rim El Filali, Jian Du, China Application of generative design in urban planning Udit Shivansh, Saptarshi Kolay, Vivek Jain, India Human-level barriers to generative AI adoption in architectural practice Silvia Albano, China	
125	Human Error and Performance Analysis II Co-Chairs: Jaeho Ryu, South Korea and Ioanna Lekea, Greece	HERRP
14:00-15:00 AHFE 5	When safety regulation discourages safety: Human factors analysis of mental health policy Tasnim Hasan, USA P-A CORE: A four-state asymmetric cognitive model explaining hidden drivers of human decision distortion Jaeho Ryu, South Korea Military operations and resilience: The Hellenic Air Force Academy case study Ioanna Lekea, Dimitrios Ziakkas, Dimitrios Stamatelos, Debra Henneberry, Greece Investigating human errors – mistakes and violations in just culture transportation operations Konstantinos Pechlivanis, Dimitrios Ziakkas, Debra Henneberry, Greece The role of resilience in the implementation of advanced air mobility Debra Henneberry, Dimitrios Ziakkas, Anastasios Plioutsias, Ioanna Lekea, USA	
126	Design for Inclusion: Products and Design Education Co-Chairs: Alessandra Rinaldi, Italy and George Chow, USA	UDDI
14:00-15:00 AHFE 6	Towards an inclusive, human-centered micromobility model: Design perspectives for pedal-assisted light and active vehicles Alessandra Rinaldi, Jonathan Lagrimino, Italy CASA CARE: Co-designing adaptive housing models to support autonomous living for people with mild cognitive and motor disabilities Silvia Imbesi, Giuseppe Mincolelli, Italy Beyond the product: Leveraging AI to enrich industrial design visualization workflows George Chow, USA Designing for equity: Extending the equitable design toolkit (EDT) beyond digital practice Sang Eun Lee, USA Design and experience improvement of multi-sensory AI products for human-computer interaction with autistic children Luo Tongyu, China	

127	Workload, Stress, Human-Centered Sensing in Real-World Contexts Co-Chairs: Paolo Pretto, Austria and Ahmed Ghita, Germany	CCSS
14:00-15:00 AHFE 7	Driver cognitive, emotional, and behavioral responses to single-day highway work zones with unexpected lane hazards Paolo Pretto, Mateo Jukic, Manuela Prior, Inge Gsellmann, Thorsten Muik, Manfred Rosenberger, Austria Human-AI co-navigation for indoor object search under uncertainty Ahmed Ghita, Qiuyi Cao, Daniel Watzenig, Stefan Ehrlich, Germany Physiological precursors that precede the awareness of cognitive stress Takuya Endo, Toru Nakata, Toshikazu Kato, Japan Stress and recovery signatures from wearable biosignal data in the production environment Lucas Paletta, Wolfgang Weiss, Ciprian Alexandrescu, Diana Nastase, Michael Schneeberger, Martin Pszeida, Sandra Draxler, Jochen A Mosbacher, Herwig Zeiner, Austria Emotional regulation of adults with high-functioning ASD using pupillometry from real and artificial stimuli Martin Pszeida, Yannick Lieb, Wolfgang Weiss, Christian Poglitsch, Jödis Rausch, Manon Mannherz, Jochen A Mosbacher, Johanna Pirker, Knut Möller, Ludger Tebartz van Elst, Lucas Paletta, Austria	
128	Human Factors in Artificial Intelligence and Social Computing III Co-Chairs: Kwoting Fang and Peihan Wen, China	AISC
14:00-15:00 AHFE 8	Integrating everything of thoughts (XoT) and ontologies for intelligent precision marketing Kwoting Fang, Yun-Fang Chin, Taiwan Identification of influential nodes and discourse features within synthetical hierarchical communities in online social networks Yufan Wu, Zhouhai Chen, Peihan Wen, China Review of supervised machine learning cost estimation techniques for building projects Faith Dowelani, South Africa A social media site for social well-being? The curious case of BeReal Mark Turner, UK Methods and tool optimization for similarity avoidance in AI-generated graphic design content Jinghuan Xu, Yanhao Cai, Weiling Deng, Jinpeng Chen, China Artificial intelligence in research administration conversations: An NLP analysis Aimee Roundtree, USA	
129	Human-Computer Interaction and Artificial Intelligence II Co-Chairs: Mari Saito, Japan and Ashwini Srinivasaprasad, USA	HCI
14:00-15:00 AHFE 9	Refining research questions for AI-assisted knowledge retrieval in interior design: An exploratory study of expert judgment Tzuno Tseng, Tung-Ming Lee, Taiwan Performance trust in AI reduces cognitive workload: Evidence from structural equation modeling and item-level analysis Mari Saito, Seiji Yamada, Japan The impact of direct and third-party control: A comparison of the usage of ai advice in hiring decisions Johannes Zysk, Antonia Markus, Esther Borowski, Ingrid Isenhardt, Germany User perceptions of response inconsistency and trust in AI-assisted learning Ashwini Srinivasaprasad, Omer Bugra Kanbur, Vincent Duffy, USA How would you like your AI to respond? A preliminary study of emotional preferences for Chatbot support across life scenarios Jiayin Huang, Dawei Xu, Jonggi Hong, USA A hybrid continuum: Scaffolding design logic from manual making to digital fabrication Silvia Albano, GianMarco Longo, Emanuela Corti, Ivan Parati, China	

130	Kansei Engineering Co-Chairs: Toshihisa Doi, Japan and Li Meihui, China	KE
14:00-15:00 AHFE 10	Cross-cultural impressions and cue weighting of avatars for emergency announcements: Evidence from China and Japan Zhang Liwen, Toshikazu Kato, Toru Nakata, Hidekazu Takahashi, Japan An examination of factors contributing to the perception of chairs "blending into" a space and their respective contributions Toshiki Kuroda, Toshihisa Doi, Sayaka Noda, Chika Nakatani, Seiji Minami, Satsuki Harada, Japan An empirical examination of optimal stimulation theory and prototype theory for the perceived fit of chairs in office spaces Toshihisa Doi, Toshiki Kuroda, Sayaka Noda, Chika Nakatani, Seiji Minami, Satsuki Harada, Japan Grey relational analysis of bicycle saddle modeling based on Kansei engineering Li Meihui, Meiyu Zhou, China A product redesign approach based on negative text mining and Kansei engineering Yizhen Shi, Meiyu Zhou, China Exploring consumer taste by award-winning product designers via the elite interview Iou-ren Lin, Wen C. Chang, Chien-Hsiung Chen, Taiwan Kansei analysis of spicy noodle packaging for generative AI-based design education Teru Kawakita, Japan	
131	Wearable Technologies and Sensors Co-Chairs: Ying-Chia Huang, Taiwan and Rossella Capotorto, Italy	WTEF
14:00-15:00 AHFE 11	The group synergy metric: Quantifying teamwork in triads via wearable EEG and total correlation Rossella Capotorto, Pietro Aricò, Andrea Giorgi, Gianluca Di Flumeri, Gianluca Borghini, Ercoli Simone, Alessia Ricci, Marianna Cecchetti, Francesca Dello Iacono, Daniele Germano, Fabio Babiloni, Vincenzo Ronca, Italy Dimension transformation and garment sample evaluation via bibliographic database Ying-Chia Huang, Wan-Yu Huang, Taiwan Usability and interaction evaluation of a mixed-reality adaptive control strategy for wearable robotics Olmo Alonso Moreno Franco, Marco Carega, Gabriele Giurin, Yonas Tefera, Maria Lazzaroni, Sergio Leggieri, Christian Di Natali, Luigi Monica, Darwin Caldwell, Jesus Ortiz, Italy Wearable cue design: A comparative research of different modalities of smartwatches microtasks Xinyu Huang, Zhiwei Yao, Yuxuan Li, Fang Xing, China Design and evaluation of a wearable biofeedback system for real-time regulation of social anxiety based on the system desensitization theory Yijia Wang, China	
132	Metaverse, Virtual Environments and User Experience II Co-Chairs: Shao-Nung Chang, Taiwan and Daniel Munoz, Hong Kong SAR China	HFGD
14:00-15:00 AHFE 12	Immersive mindfulness: The effectiveness of VR-based techniques compared to traditional mindfulness practices Manasa Hegde, Anil Kumar, USA Evaluation of participant impressions in a reflection workshop using VR scenarios replicating toddler tantrums Yuki Taoka, Anna Saito, Miyuki Katsuyama, Shigeru Owada, Shigeki Saito, Momoko Nakatani, Japan When seeing isn't believing: How prior immersion history dissociates perceptual from evaluative responses to immersive displays Shao-Nung Chang, Chien-Hsiung Chen, Taiwan Wayfinding efficiency of virtual versus traditional signage under emergency conditions: A virtual reality experiment Yuanmeng Zhou, Yufeng Yang, China Fantasy, realism, and attention in virtual reality: an exploratory mixed-methods study of coherence factors and player judgments Daniel Munoz, Jeffrey C F Ho, Hong Kong SAR China Chu-Han treasure keepers: AR board game design based on cultural translation theory - a case study of Xuzhou Museum and intangible cultural heritage Su Qian Yu, Chen Chen, China	

Refreshments: 15:00-15:30 (GMT+3) – Foyer

133	Digital Innovations and Human-Centric AI in Healthcare Co-Chairs: Özge Coşkun, Turkey and Randal McCarthy, USA	HCA
15:30-16:30 AHFE 1	Handgrip strength and anthropometric characteristics of children and adolescents in Türkiye Özge Coşkun, Mahmut Ekşioğlu, Turkey Application of human factors by healthcare professionals in identifying patient needs in device and drug delivery with support from AI applications Randal McCarthy, Sophia McCarthy, USA Human-centered sepsis management in clinical work systems: A socio-technical AI framework for patient safety Mecit Can Emre Simsekler, Firda Rahmadani, Siddiq Anwar, UAE RE-TEST THEM: A human factors pilot study to de-risk the adoption of breath-based therapeutic monitoring in oesophagogastric cancer Massimo Micocci, Henry Robb, Philip Leung, Bibek Das, Peter Buckle, George Hanna, UK Assessing innovative healthcare models: an integrated measurement framework of clinical, economic, social, and environmental performance Manila Caragiuli, Agnese Brunzini, Rebecca Posa, Michele Germani, Italy Making prognostic interdependencies visible: Tan-based decision support for colorectal cancer care Serhat Simsek, Nuray Uzunkaya, USA	
134	Knowledge and AI in Sociotechnical Systems Co-Chairs: Mohammed Aminu Sanda, Ghana and Nerissa Dettling, Switzerland	SYSI
15:30-16:30 AHFE 2	The mediating classroom: How digital learning ecosystems shape students' lived experiences in tertiary online education Mohammed Aminu Sanda, Ghana Avoiding black box problems by assigning an active role to humans in the control of autonomous AI: A methodological approach Nerissa Dettling, Samira Hamouche, Julia Usher, Manuel Renold and Toni Waefler, Switzerland Communicating uncertainty in AI-based decision support systems: A comparative study of numerical and visual representations Antonia Markus, Esther Borowski, Ingrid Isenhardt, Germany Situated lightness: A local-first WebAR framework for democratizing digital heritage in rural China Dylan Leem, China Enhancing the trust of SLPS towards AI-based speech therapy tools Connie Chen, Li Liu, Vickie Yu, USA Socio-economic constraints and the 'illusion of choice': impact of alcohol excise tax policy on public health and alcohol-dependent labourers Agris Raipalis, Dace Raipale, Biruta Sloka, Latvia	
135	Driving Performance and Road Safety Co-Chairs: Turkan Hentati, Spain and Katia Pagle, Greece	RR
15:30-16:30 AHFE 3	Verification of effectiveness of road vibration trough for ensuring safety of visually impaired individuals when crossing LRT tracks Akinari Tahara, Tomoyuki Inagaki, Taiki Koseki, Yuuki Hashiba, Murao Mayuko, Taeko Tanida, Teppei Osada, Japan A human factors engineering approach to feature extraction and safety intervention in intentional vehicle-pedestrian collisions Wei Ji, Quan Yuan, Gang Cheng, China Integrating human-centred design approach into the safety assurance of CCAM systems: A framework for STAC Turkan Hentati, Oana Moldovan, Spain A taxonomy of digital twin applications for road infrastructure safety: A human-factors perspective Katia Pagle, Anna Antonakopoulou, Angelos Amditis, Greece Social distance between autonomous vehicles and pedestrians based on human factors engineering approach Quan Yuan, Yanyong Guo, Wei Ji, China Impact of AR head-up displays on driver performance and safety across age groups Jin-yu Song, Yung-ching Liu, Taiwan	

136	Systems and Software Engineering Requirements and Challenges Co-Chairs: Matthias Vogel, Germany and Ellen Bass, USA	HFSSE
15:30-16:30 AHFE 4	Designing a generative AI-supported modular quotation process for SMEs: A design science research approach Matthias Vogel, Tobias Schmallenbach, Giuseppe Strina, Germany Annoyance modeling in cooperative personnel scheduling Christiane Attig, Johannes Varga, Tim Schroll, Tobias Rodemann, Günther Raidl, Austria Supporting inspection of structured qualitative team task analytic data Ellen J. Bass, Tauseef Ibne Mamun, Benson Zhang, Junkai Ge, Meghan B. Lane-Fall, USA Integration of MBSE elements and automation with system development processes for advanced performance & efficiency Daijha Hilliard, Bhushan Lohar, John Wade, Saeed Latif, Robert Cloutier, USA Analysis for an End-to-End MBSE operational architecture Joshua Adelabu, Bhushan Lohar, John Wade, Sean Walker, Carlos Montalvo, USA	

137	Advances in Workload Management, Training and Operations III Co-Chairs: Gordon Konieczny, Germany and Vamshi Krishna Beeravelly, India	AVI
15:30-16:30 AHFE 5	Software-based evaluations of cabin processes in civil commercial aircraft Leonard Erb, Gordon Konieczny, Germany First-time flying and its pre-travel preparation: SLR Vamshi Krishna Beeravelly, Manoj Majhi, Santosh Jagtap, India AI competency model for aerospace engineering managers Huizhong Hu, Tian Ye, Ao Jiang, Mingzhao Xu, Rui Hou, Yong Su, Yong Ni, Shengchi Li, Chenyu Ouyang, Zhou Jun, Mulan Huang, Jinglin Zhang, China Multi-parameter optimization of augmented reality display interfaces for lunar extravehicular activities: Impacts of area, shape, and transparency Ao Jiang, Guangxu Li, Tian Ye, Haoling Yang, Jinglin Zhang, Yuhuan Deng, Rui Yang, Can Chen, Shangdong Xu, Xiaocheng Li, Bernard Foing, Stephen Westland, China Effects of acoustic design parameters of aural alerts on reaction time in commercial aircraft cockpits Erzhua Huang, Lin Du, Xiaohui Hao, Xiaodan Zheng, Chunling Zhao, Hao Tan, China	

138	Digital Human Modeling for Performance, Ergonomics, and Optimization Co-Chairs: Manuela Vargas Gonzalez, Italy and Xinyi Pan, China	DHMAO
15:30-16:30 AHFE 6	Optimization of motion capture technology for a human digital twin with reduced sensor setups Manuela Vargas Gonzalez, Valerio Cibrario, Denise Tumiotto, Annalisa Bertoli, Cesare Fantuzzi, Italy Application of 3D neck modeling in ergonomic product design Xinyi Pan, Wenjing Yang, China Simulating force-posture co-evolution in horizontal pushing task using a digital human model Dibakar Sen, Mayank Badola, India Enhancing the prediction accuracy of EKAOSTOS with individual parameter tuning Chrysovalanto Messiou, Riender Happee, Georgios Papaioannou, Netherlands Body types of Chinese adult males Linghua Ran, Xin Zhang, Zhao Chaoyi, He Zhao, Zhongting Wang, Yue He, China	

139	Innovations in Digital Technology for Cultural Heritage in Communication II Co-Chairs: Xinyi Wang and Yan Liu, China	HFCD
15:30-16:30 AHFE 7	The book as a pedagogical laboratory: Experimental editorial practices in a studio-based design course Sofia Rodrigues, Portugal Digital interaction design for Mianzhu new year painting: Enhancing cultural heritage engagement through mobile applications Yu Hu, Que Yuan, Xinyi Wang, China The impact of visual consistency in city official website interface on city brand: A case analysis of UNESCO creative cities of design Yan Liu, Han Han, China The innovative culture design of Weifang Traditional Kite Xinhui Zhang, Lei Zhong, China Spreading Jiangnan tea charm via the Grand Canal: AR interaction and IP design for Yangzhou famous tea Chang Guo, Xinyun Li, Baofa Wang, China Wearable smart accessory design based on Emotional Design Theory Yutong Xia, Tianzi Sheng, China	
140	Production and Process Evaluation and Quality Co-Chairs: Karla Hohwieler and Simon König, Germany	PEQ
15:30-16:30 AHFE 8	Influence of simulated ship motion on human-computer interaction at a multi-display workstation Karla Hohwieler, Jessica Conradi, Germany Communication quality assessment of an augmented reality system for remote support in intensive care medicine Simon König, Lucas Seider, Claus Backhaus, Germany Design of phase change material integrated firefighters' turnout gear considering moisture content effects in heat and post-heat exposure Susan Xu, Weihuan Zhao, USA How does green packaging create product benefits? Data analysis applying grounded theory Jiacheng Wang, Regina W. Y. Wang, Taiwan	
141	Cognitive Workload and Human Performance in Complex Work Environments Co-Chairs: Zhongqi Liu and Qianxiang Zhou, China	CN
15:30-16:30 AHFE 9	Visual load evaluation model of multi-view monitoring task operator Zhongqi Liu, Ran Cheng, Qianxiang Zhou, China The impact of confined and small-space environments on human emotions and behavioral performance Qianxiang Zhou, Guanghong Xiong, Zhongqi Liu, China The PSO-SVM recognition model for brain alertness based on EEG Mengmeng Jin, Jiatao Wang, Ying Yin, Zhongqi Liu, Qianxiang Zhou, Yingwei Li, China Impact of stress induced by public health emergency on human-AI interaction: Effects on subjective trust, decision-making behavior, and brain activity Minqian Yang, Mingyuan Zhu, Pei-Luen Patrick Rau, China Job crafting and intellectually stimulating industrial factory floor work Mari Myllylä, Anna Viljakainen, Juho Silmukari, Henrikki Salo-Pöntinen, Susanna Aromaa, Pertti Saariluoma, Finland The relationship between avatar social attributes and advice acceptance in PCIT: A cross-cultural study using cognitive and neuroscience approaches Siyu Zhu, Toshikazu Kato, Takashi Sakamoto, Mihoko Niitsuma, Jiawei Pan, Yankuan Liu, Pei-Luen Patrick Rau, China	

142	Applied Next-Generation Concepts in Human-Centered Design and Security II Co-Chairs: Dusko Milojevic and Maja Nisevic, Belgium	CYBER
15:30-16:30 AHFE 10	Calibrating trust in AI-driven cyber defenses: Human reliance, resistance, and decision dynamics Vangelis Malamas, Dimitris Koutras, Greece The human factor in cybersecurity: A regulatory governance perspective Dusko Milojevic, Jan De Bruyne, Maja Nisevic, Belgium Human cognitive biases in cybersecurity work systems: Implications for awareness, training, and education Ulku Clark, Bilge Karabacak, USA Beyond security awareness: A scoping review of Human Factors in SME Cyber Resilience Frameworks (2018-2026) Jonathan Thelen, Germany ‘DERAI’: A human-centered, AI-driven cybersecurity framework for smart government platforms Hamda Alameri, Hessa Alderei, Alyazy Almansoori, Ahmed Shuhaiber, UAE Assessing trust in digital service engineering: an empirical case study of public CCTV analytics in Germany Steven Schmidt, Germany	
143	Immersive Training, Biomarkers, and Digital Twin Assistance in Crisis Operations Co-Chairs: Georg Aumayr and Michael Schneeberger, Austria	CCSS
15:30-16:30 AHFE 11	Mixed reality-supported training of first responder skills in international crisis situations: Evaluation of the SmartSkills pilot study Georg Aumayr, Andreas Peer, Benjamin Schuster, Martin Müller, Christian Schönauer, Thomas Seirlehner, Sabrina Hackl, Michael Schneeberger, Martin Pszeida, Wolfgang Weiss, Jochen A Mosbacher, Patrick Luley, Anna Weber, Stefan Ladstätter, Joachim Brandtner, Florian Haid, Markus Bergen, Markus Öttl, Friedrich Urbanek, Gudrun Walter, Wolfgang Kallus, Lucas Paletta, Austria The SmartResponse framework: A semantic digital twin approach to remote emergency command Lucas Paletta, Georg Aumayr, Andreas Peer, Christian Perktold, Wolfgang Kallus, Patrick Luley, Stefan Ladstätter, Anna Weber, Sandro Eitzinger, Christian Schönauer, Friedrich Urbanek, Martin Söllner, Michael Schneeberger, Martin Pszeida, Christian Meurers, Austria Designing for the six human needs: A behaviour-centred framework for emotional connection in physical spaces David MacPhee, China Wearable biosignal and pupillometry analytics for stress-probe evaluation in mixed reality illegal checkpoint training Michael Schneeberger, Andreas Peer, Georg Aumayr, Martin Pszeida, Wolfgang Weiss, Jochen A Mosbacher, Florian Haid, Patrick Luley, Anna Weber, Stefan Ladstätter, Joachim Brandtner, Christian Schönauer, Benjamin Schuster, Martin Söllner, K Wolfgang Kallus, Martin Müller, Markus Öttl, Gudrun Walter, Lucas Paletta, Austria Rapid military triage of traumatic brain injury using eye tracking and pupillometry Michael Schneeberger, Martin Pszeida, Dietmar Maurer, Lucas Paletta, Austria	
144	Human-Computer Interaction and Artificial Intelligence III Co-Chairs: Chen Yitong, China and Hans Frederick Brown, USA	HCI
15:30-16:30 AHFE 12	Designing a rhythmic AR interaction for auditory-oriented heritage: A preliminary case study at Guqintai Chen Yitong, Miaoxin Zhang, China Feedback-driven adaptive AR assistance for intralogistics: Design and initial evaluation Leon Herz, Marian Sorin Nistor, Stefan Pickl, Germany Beyond tools: A task-based human-AI studio scaffold for critical thinking in architectural education Silvia Albano, China Inclusive navigation design: Exploring how tactile cues shape trust and exploration intention for visual impaired user Xun Zhang, Zhiwei Yao, Fang Xing, Yuxuan Li, China LumiBead: A gesture-based multimodal interactive system for experiencing intangible cultural heritage craftsmanship Li Yifan, China	

Interactive Poster Demonstrations

Room: Ground Level • Virtual Room: AHFE Posters
Wednesday, July 22, 2026 — 9:00-16:30 (GMT+3)

ID	Poster / Demonstration Title and Authors
A1	Characteristics of changes in body composition measurements among Japanese alpine skiers Kazusa Oki, Japan
A2	Associations between work stress dimensions, job satisfaction, and burnout among first-year residents in Taiwan Feng-cheng Tang, Shu-ling Huang, Fang-yun Hsu, Taiwan
A3	Exploring patient safety awareness and risk perception among clinical staff and inpatients Dao-yuan Wang, Yen-Hui Lin, Taiwan
A4	Effects of a lumbar support brace on comfort and biomechanics during sit-to-stand and walking tasks in patients after spinal surgery Wei-Hsien Hong, Hsien-te Chen, Taiwan
A5	Validation of a smartphone-based IMU for assessing postural stability as a screening tool for occupational fatigue-related stress Li-Chieh Teng, Huey-Wen Liang, Tsung-Kai Kao, Yaw-Huei Hwang, Taiwan
A6	VR games as a complementary tool for upper limb rehabilitation: A biomechanical and usability analysis Renata Vieira Do Rosário, Alexandre Anibal Campos Bonilla, Flávio Anthero Nunes Vianna dos Santos, Brazil
A7	Applying Brunswik's Lens Model to investigate decision-making in food bank operations Steven Jiang, Ritson Delpish, USA
A8	Facial video-based estimation of participant states for the assessment of web conference design Mieko Ohsuga, Hiroki Takeuchi, Yoshiyuki Kamakura, Japan
A9	Toward harmonized human-machine interaction: Assistive communication for elderly with aphasia Taisuke Sakaki, Japan
A10	AI-assisted analysis of maritime traffic, tourism, and regional development in coastal Croatia Tanja Poletan Jugović, Alen Jugović, Dražen Žgaljić, Matija Burić, Croatia
A11	This is how I feel: personalizing socio-emotional expression in AAC with social robots Mathieu Depaul, Michael Cabrera, John Kim, Alyssa Kubota, USA
A12	Development of simulation techniques for the FDM 3D printing process Takashi Shiozawa, Keisuke Hayabusa, Japan
A13	Towards human-centered development of explainable AI in a German SME Nadja Hemming, Amit Kirschenbaum, Simeon Ackermann, Germany
A14	Assessing the impact of scene heterogeneity on computer vision-based ergonomic risk assessment Chien-chi Chang, Yu-Hsien Lin, Taiwan
A15	Occupational risks associated with last-mile food delivery riders in Spain Antonio López Arquillos, María Del Carmen Rey Merchán, Spain
A16	Establishment of objective ergonomic evaluation model for pilot integrated protective suits Dongqing Wen, Xiaopeng Liu, Jiaqi Zhou, Xue Lihao, Yan Zhang, Weiru Shi, Lihua Yu, Wenjing Gong, Mengya Fang, Yunxia Wei, Lina Hao, China
A17	Development of a RAG-based safety support system for performing arts using a service blueprint aligned with performance production stages Chang Ryong Kim, Ohung Kwon, Jong Ryun Roh, South Korea
A18	Effect of voice-based explanation methods on trust calibration in human-humanoid robot collaboration Heejin Kim, Wonjin Ko, Mingi Shim, Yushin Lee, South Korea
A19	Design deduction for multi-dimensional evaluation: A multi-agent collaboration based framework Xinyuan Mao, Peiyan Zhong, China

ID	Poster / Demonstration Title and Authors
A20	Development of a comparative framework for identifying the optimal process safety management (PSM) system using a hybrid AHP-Promethee model Mohammed Alamoudi, Saudi Arabia
A21	An adversarial dual-agent critical framework for intelligent evaluation and optimization of human-computer interaction design Jiaqi Han, Peiyan Zhong, China
A22	A multi-model collaborative sentiment analysis framework for tourism reviews enhanced by adversarial learning Yijing Du, Danyang Lin, China
A23	Exploring digital support for pet-loss grief: Community narratives as supportive resources for emotional resilience Yuka Miyazawa, Osamu Yoshie, Japan
A24	A framework for lightweight, edge-based recognition of dynamic American Sign Language using temporal learning models Owasu Brown, Amir Schur, USA
A25	Evaluating avatar-based interactive learning versus audio-only instruction using NIRS: Effects on prefrontal cortex activation and memory performance Kenji Nakamura, Tomoya Minegishi, Yoshiaki Ohyama, Japan
A26	National Systematization for Voluntary Local Reports (VLR) of the 2030 Agenda: Municipalities of Mexico Rodolfo Martinez Gutierrez, Sonia Moreno Cabral, Beatriz Chavez Ceja, Karina Lopez Valle, Veronica Quintero Rosas, Blanca Esthela Zazueta Villavicencio, Carmen Adolfo Castillo Rivera, Jazmin Balderrabano Briones, Diana Rubi Oropeza-Tosca, Omar Jimenez-Marquez, Mexico
A27	Persistent object memory and re-finding for goal-based wearable navigation in visually impaired users Aditya Anil Bangde, Sanchita Ghose, USA
A28	Designing immersive reading: Augmented reality, printed books, and the future of natural AR interfaces Arnaldo Costeira, Portugal
A29	AR-AI integrated system for enhancing safety in rock climbing: A research design Yang Wen, Yimiao Liu, Ying Yang, Xue Chen, Zhang Ya Ting, Yuxuan Lu, China
A30	Understanding individual differences in adolescents' emotional responses to social media through human-centered causal and dynamic modeling Anzara Ausaf, Kazi Ruslan Rahman, Sanchita Ghose, USA
A31	Integrated ergonomic and safety indicators for the evaluation of agricultural tools: A human-machine interaction approach Seung-min Mo, South Korea
A32	Evaluation of the effects of ventilation suits and liquid-cooled suits on human thermal comfort in special environments Wentao Zhang, Liping Wang, China

Interactive Poster Demonstrations

Room: Ground Level • Virtual Room: AHFE Posters
Thursday, July 23, 2026 – 9:00-16:30 (GMT+3)

ID	Poster / Demonstration Title and Authors
B1	A seamlessly integrated AI-human support system for user-acceptable inquiry response services Takahiro Nemoto, Shun Nishiura, Miyuki Ishibashi, Kinya Fujita, Japan
B2	Assembly guidance in mixed reality: performance and usability impacts of static and dynamic 3D visualizations Chihfeng Cheng, Chiuhsiang Lin, Taiwan
B3	Logistics - driven approaches to nautical tourism port competitiveness: A bibliometric analysis of sustainable and innovative strategies Alen Jugović, Tanja Poletan Jugović, Marin Donadić, Juraj Bukša, Croatia
B4	The role of negative emotions in VR based cognitive testing: A pilot study Soma Zsebi, János András Zsuffa, Cecilia Sik-Lányi, Renáta Cserjési, Hungary

ID	Poster / Demonstration Title and Authors
B5	Optimizing information density for in-vehicle displays: A cognitive load and safety study Liang Zhang, China
B6	Humanization or intellectualization? How autonomous vehicles' mental capacities impact human's driving behaviors Jiayan Yu, Weina Qu, Yan Ge, China
B7	Transformation from manual arc welding to collaborative robot welding: Comparison of ergonomic and process-related influencing factors and effects Christian Schmidt, Christina Pietschmann, Leif Goldhahn, Julia Zähr, David Sauer, Matthias Schmidt, Germany
B8	Biomechanical plausibility of generative AI models: A validation methodology for studying cultural motor accents Louis Poague, Alexandre Anibal Campos Bonilla, Brazil
B9	Illusory motion induced by a printed static image in a flickering light environment with a different duty cycle Tomoaki Kozaki, Japan
B10	Aging on the road: Neural and behavioral correlates of cognitive control during distracted driving Emad Alyan, Edmund Wascher, Stephan Getzmann, Melanie Karthaus, Germany
B11	Effects of visual-vestibular conflict and background visual references on VR motion sickness Ray F. Lin, Tzu-Yu Liu, Hsin-Ting Wang, Wen-Hsin Shen, Taiwan
B12	Connecting with the future ecological self through LLM agents Jie Hao, China
B13	Electromagnetic compatibility analysis of automotive vehicles Marian Wnuk, Poland
B14	Identifying and systematizing non-technical skills required for shinkansen operations controllers Jun Sakaniwa, Shinya Edagawa, Hiroaki Fujishiro, Japan
B15	A method of increasing the electromagnetic immunity of the spectrum monitoring sensor to UAV's by using a shielded casing Rafał Przesmycki, Marek Bugaj, Jarosław Bugaj, Paweł Skokowski, Krzysztof Malon, Michał Kryk, Poland
B16	Possibilities of using commercial unmanned aerial vehicles due to the level of electromagnetic radiation emissions Rafał Przesmycki, Marek Bugaj, Jarosław Bugaj, Paweł Skokowski, Krzysztof Malon, Michał Kryk, Poland
B17	A human factors framework for evaluating digital train commands in railway operations Bekir Arslan, Birgit Milius, Germany
B18	Eye-movement characteristics of fatigued drivers during nighttime takeover events Wei-Ru Chen, Ya-Lin Chen, Taiwan
B19	Exploring meeting dynamics indicators using keyword co-occurrence networks Yusuke Sugita, Taro Kanno, Yingting Chen, Yuta Yoshino, Shuhei Watanabe, Japan
B20	Deep learning for eye-gaze event detection for personalized gaze-based interaction in real-world settings Ivan Basyul, Boris Velichkovsky, Russia
B21	The influence of circadian rhythm disruption on muscle fatigue induced by prolonged sitting during long-duration flights Wenjing Gong, Donghui Piao, Congchong Li, Luyu Liu, Jingda Feng, Yan Zhang, Weiru Shi, Xiaopeng Liu, China
B22	Universal accessibility in civil aircraft cabin - single aisle aircraft lavatory "accessibility for all" Emre Celikay, Ole Schmidt, Chantal Olijnik, Gordon Konieczny, Germany
B23	An adaptive serious game for inclusive engagement of attention deficit hyperactivity disorder (ADHD) in young adults Paula Escudeiro, Francisca Escudeiro, Sofia Resende, Portugal
B24	Designing for adoption: A culturally grounded, 3D-prototyped ergonomic hand tool for Andean potato harvesting Liliana Cruz-Ausejo, Consuelo Cano Gallardo, Juan Jose Valverde Ayte, Jose del Carmen Abad Castillo, Jerome Galea, Amit Bhattacharya, Peru
B25	Manual dexterity required for clothing repairs: Assessing the influence of thread fineness on evaluation outcomes Mika Morishima, Mari Kameda, Mina Ushiro, Japan

ID	Poster / Demonstration Title and Authors
B26	VR aesthetic contributions in Transformative Experience Design (TED) Bruno Giesteira, Tiago Alves, Portugal
B27	National Observatory of Social and Solidarity economy projects, Pronaces, research networks and agenda 2030 Rodolfo Martinez Gutierrez, Sonia Moreno Cabral, Beatriz Chavez Ceja, Angel Ernesto Jimenez Bernardino, Armando Alberto Leon Lopez, Jose Daniel Padilla de la Rosa, Artemio Lara Chavez, Karina Lopez Valle, Veronica Quintero Rosas, Susana Montes Olande, Mexico
B28	"MESANS": A responsive variable font system based on cuneiform aesthetics and its adaptability in smart media environments Yi Xiaohan, China
B29	A Kansei engineering study on the effects of camera exterior design attributes on nostalgic perception Dingfeng Zhou, Junjie Zhang, Junjie Hong, China
B30	EmoMasque: A virtual jewelry emotional regulation system based on facial emotion recognition and multisensory feedback Song Sida, China
B31	Tracking the chaos: Visualizing people & resource flow in disaster drills via mobile app Taro Kanno, Kazumi Kajiyama, Haruka Yoshida, Sachika Sharikura, Michihiro Tsubaki, Desak Ayu Clara Dewanti, Naoto Endo, Japan
B32	Artificial Intelligence in health education: Attitudes and readiness among students and faculty at Kuwait University Hamad Alhamad, Dalal Almutairi, Fatemah Alobaid, Sara Alharban, Sara Alrasheed, Kuwait

Interactive Poster Demonstrations

Room: Ground Level • Virtual Room: AHFE Posters
Friday, July 24, 2026 – 9:00-16:30 (GMT+3)

ID	Poster / Demonstration Title and Authors
C1	Do current shoe sizing standards fit older adults? Evidence from 3D foot scanning data in Taiwan Yu-chi Lee, Pei- Jin Wu, Taiwan
C2	Egocentric vs. allocentric spatial representation in aging and Alzheimer’s disease: Insights from dimensional transformation tasks Min-Sheng Chen, Pin-Ru Chen, Taiwan
C3	Impact of street landscape factors on noise exposure: An XGBoost - SHAP modelling approach You Li, Yuwei Wu, Yan Huang, China
C4	Investigating driver decision-making in pedestrian crossing scenarios Chen-Wei Chang, Wei-Ru Chen, Taiwan
C5	Effects of different image resolution on stability of AI model for human posture estimation in strength-exertion video analysis Hsinhung Tu, Taiwan
C6	Effects of light color on visual evaluation of Sorolla’s outdoor paintings Shino Okuda, Mana Nishimoto, Satoko Taguchi, Miho Muguruma, Katsunori Okajima, Juan Serra, Daniel Vázquez, Manuel Melgosa, Japan
C7	An empathy-to-testing workshop to strengthen human factors evaluation in design education Chun-ting Wu, Taiwan
C8	Up-skilling human expertise with AI: A methodological approach Patrick Zinsli, Samira Hamouche, Toni Waefler, Switzerland
C9	Teleworking’s impact on domestic life: A survey in Brazil Maria Do Carmo Baracho Alencar, Irenilza Alencar Naas, Nilson Rogerio Da Silva, Florentino Serranheira, Brazil
C10	Eye-tracking analysis of students’ problem-solving behaviors for learning support in a tutoring context Kento Yamao, Noriaki Kuwahara, Japan

ID	Poster / Demonstration Title and Authors
C11	ErgoSafetyObserver: Development of a digital exposure assessment tool for prevention and mitigation of work-related musculoskeletal disorders Sebastian Skals, Jacob Lund Madsen, Line Lindberg, Stine Øien Dandanell Garn, Mikkel Brandt, Lars Louis Andersen, Pete Kines, Denmark
C12	From simple auditory inspection to acoustic feature extraction of UAVs brushless motors Yan An Lin, Ming-Lang Yeh, Yu-Cheng Lin, Taiwan
C13	No-trace seating: Predictive modeling and a novel ventilated seat design to prevent moisture mark formation Anjali Chauhan, India
C14	Effects of luminance and animation type on glare and visibility of dynamic signs: An ergonomic study considering age-related differences Hiroshi Watanabe, Hiroyasu Ujike, Japan
C15	Test-retest reliability of a real-time MARKERLESS human-robot control system Hsiao-Feng Chieh, Chiao-Fang Cheng, Chien-Ju Lin, Fong-Chin Su, Taiwan
C16	Factors associated with the objective outcomes of electric pallet truck interventions for aging workers Yiying Lin, Jen-Suh Chern, Wan-yin Chen, Taiwan
C17	An ontology-based human digital twin framework for proactive shipboard safety intelligence Hongtae Kim, HyunSoo Choi, South Korea
C18	Impact of takeover request modalities on performance and user preference in conditional automated driving under low visibility Yang-kun Ou, Yi-ji Chu, Chen-wen Fang, Taiwan
C19	Baseball game strategy, tactics, and code knowledge map construction Tin-Chang Chang, Chin-Chan Wu, Taiwan
C20	Influence of chair height on posture while playing the cello: A biomechanical analysis using motion capture Gregorio Lameira, Alexandre Anibal Campos Bonilla, Milton Cinelli, Brazil
C21	Ergonomic risk assessment and fatigue of solid waste collectors in Chombueng District, Ratchaburi Province, Thailand Sutasinee Pichaiakan, Amonrada Rongthong, Thailand
C22	Crosswalk mobility support for visually impaired individuals Shoichiro Fujisawa, Kento Sugimoto, Weijun Liu, Junji Kawata, Jiro Morimoto, Hisanori Amano, Mineo Higuchi, Yoshio Kaji, Yuji Osada, Kumiko Eguchi, Yukio Yanagisawa, Katsunori Tatara, Tomoyuki Inagaki, Muneo Yanagihara, Japan
C23	Background music listening during computer-based work: Frequency and self-reported concentration Ofar Bergman, Or Perets, Israel
C24	Evaluating public art in commercial complexes: A dual-channel emotion recognition framework fusing facial micro-expressions and semantic analysis Jianing Hu, Xiayun He, Lianmei Dong, China
C25	Human cognitive processing strategies in the detection of AI-generated synthetic media Yue Liu, USA
C26	Designing for therapy: An ergonomic hand orthosis that enhances functional recovery Sejal Shah, Jeff Feng, USA
C27	Effects of robot non-verbal behaviors on human emotion recognition in human-robot communication Kimihiro Yamanaka, Japan
C28	Venting & fidgeting stress-relief toys: A pilot study on positive emotion triggering and stress-relief stability Junjie Zhang, Jiayu Hua, Yifan Zhang, China
C29	Semantic structure and importance extraction from sequential conversational data via dimensional reduction Takeshi Matsuda, Michio Sonoda, Japan
C30	Both insufficient adjustment and selective accessibility exist in the anchoring effect: evidence from eye dynamics in estimation tasks Fuifeng Yu, Minhui Yuan, Lin Ding, Bing Han, China
C31	Integrated framework to identify attrition mechanisms in digital healthcare-based physical activity Chanryong Kim, South Korea
C32	Applying HTA and SHERPA to a home-use genetic testing pathway: A novel human factors framework for evaluating end-to-end diagnostic risk Shayan Bahadori, Hannah Kettley-linsell, Tayana Soukup, Rosario Luxardo, Ros Eeles, ZSofia Kote-Jarai, Eva McGrowder, Elizabeth Bancroft, Abb-Britt Jones, Questa Karlsson, Joe Merson, Denzil James, Peter Buckle, UK

Conference Layout

Registration Desk and Conference Technical Program:

Location: Fenerbahçe University

Address: Atatürk Mah Metropol İstanbul, Ataşehir Blv., 34758 Ataşehir/İstanbul, Türkiye

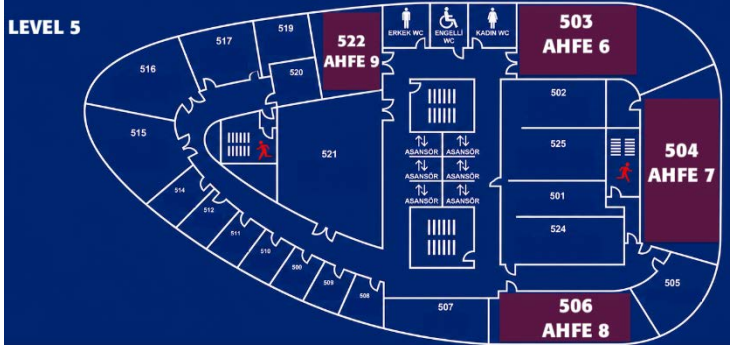
5TH FLOOR ROOMS

AHFE 6: 503

AHFE 7: 504

AHFE 8: 506

AHFE 9: 522



4TH FLOOR ROOMS

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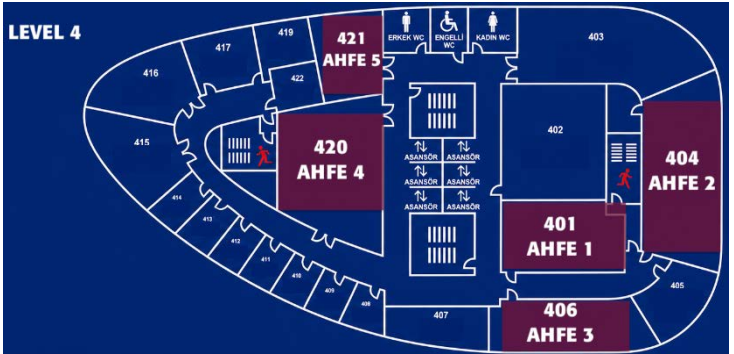
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Posters and Exhibition

Coffee Breaks



3RD FLOOR ROOMS

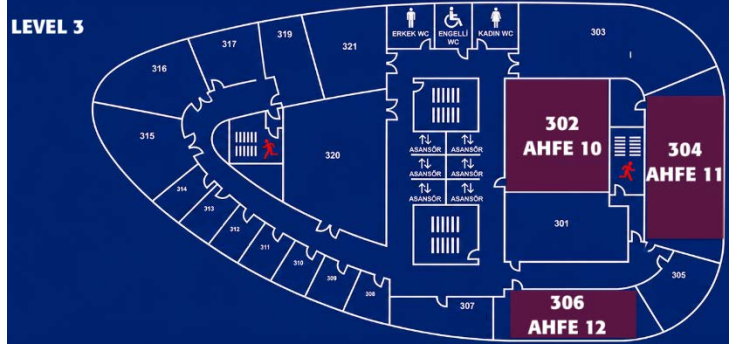
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Posters and Exhibition

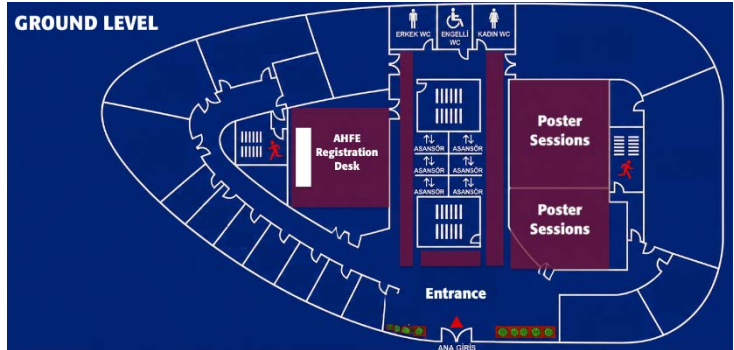
Coffee Breaks



LOBBY LEVEL

Registration Desk

Posters and Exhibition



Opening Session and Keynote Address: 17:30-18:30 (GMT+3), Tuesday July 21, 2026.

Conference Reception: 18:30-22:00 (GMT+3), Tuesday July 21, 2026.

Sheraton Grand İstanbul Ataşehir , Grand Ballroom

Address: Barbaros, Mor Sumbul Sokagi No: 1, 34746 Ataşehir/İstanbul, Türkiye

17th International Conference on Applied Human Factors and Ergonomics (AHFE 2026) and the Affiliated Conferences

Fenerbahçe University, İstanbul, Türkiye

Address: Atatürk Mah Metropol İstanbul, Ataşehir Blv., 34758 Ataşehir/İstanbul, Türkiye

July 20-24, 2026

AFFILIATED CONFERENCES AND TRACKS:

Global Issues Challenge: Challenges in AI at the Human Level
2nd International Conference on Industrial and Systems Engineering
2nd International Conference on Human-Computer Interaction & Emerging Technologies
2nd International Conference on Human Resource and Knowledge Management in Agile Enterprise
2nd International Conference on Human Factors in Preventive Medicine and Innovative Agnology
3rd International Conference on Human Factors in Human Dynamics, Product Evaluation and Quality
3rd International Conference on Human Factors in Accessibility, Assistive Technology and Digital Environments
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11th International Conference on Human Factors and Simulation
11th International Conference on Design for Inclusion
11th International Conference on Cognitive Computing in Sociotechnical Systems
12th International Conference on Human Factors, Business Management and Society
12th International Conference on Human Factors in Training, Education, and Learning Sciences
12th International Conference on Human Factors in Sports, Injury Prevention and Outdoor Recreation
12th International Conference on Human Factors in Robots, Drones and Unmanned Systems
12th International Conference on Human Factors in Energy: Oil, Gas, Nuclear and Electric Power Industries
12th International Conference on Human Factors in Cybersecurity, Privacy and Trust
12th International Conference on Human Factors and Systems Interaction
13th International Conference on The Human Side of Service Engineering
14th International Conference on Safety Management and Human Factors
14th International Conference on Human Factors, Architecture, Sustainable Urban Planning and Infrastructure
14th International Conference on Human Factors in Transportation
14th International Conference on Ergonomics In Design
14th International Conference on Affective and Pleasurable Design
14th International Conference in Human Factors, Software and Systems Engineering
15th International Conference on Human Factors and Ergonomics in Healthcare and Medical Devices
17th International Conference on Usability and User Experience
17th International Conference on Social & Occupational Ergonomics
17th International Conference on Physical Ergonomics & Human Factors
17th International Conference on Neuroergonomics and Cognitive Engineering
17th International Conference on Digital Human Modeling and Applied Optimization
27th International Conference on The Human Aspects of Advanced Manufacturing (HAAMAHA): Manufacturing Enterprises in a Digital World

CONFERENCE ORGANIZATION:

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The background of the entire poster is a photograph of Malaga, Spain, taken at sunset. A prominent feature is the Gibralfaro Fortress, a large stone building with a tall, ornate tower topped by a dome and a spire. The city's architecture, including various buildings and palm trees, is visible in the foreground and middle ground. The sky is a mix of orange, pink, and blue, indicating the time is dusk.

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