



2026

IHSED

International

8th International Conference on

Human Systems Engineering and Design: Future Trends and Applications (IHSED 2026)

**September 22-24, 2026
Hilton Paris Opera
Paris, France**

Final Program

WWW.IHSED.ORG



IHSED 2026

Conference Reception

TUESDAY, SEPTEMBER 22, 19:00 - 22:00

RECEPTION LOCATION:

BRASSERIE MOLLARD

Address: 115 Rue Saint-Lazare, 75008 Paris, France

(DRESS IS BUSINESS CASUAL, REGISTERED PARTICIPANTS, PHOTO ID REQUIRED)

Conference Organization

CONFERENCE ADMINISTRATOR:

ADMIN@IHSED.ORG

Technical Sessions: Wednesday - Thursday, Sep 23-24, 2026

Conference Location: Hilton Paris Opera, Paris, France

Address: 108 Rue Saint-Lazare, 75008 Paris, France

Conference Organizing Co-Chairs:

Tareq Ahram, USA

Waldemar Karwowski, USA

Scientific Tracks

ACRONYM	TRACK
IHSED 1	Human-Centered Design
IHSED 2	Innovative Materials for Product Development
IHSED 3	Engineering, Design and Human Diversity
IHSED 4	Safety Engineering and Systems Complexity
IHSED 5	Fashion & Textile Design for Sustainability and Better Life
IHSED 6	Biomechanics, Health Management & Medicine
IHSED 7	Human Computer and System Interactions
IHSED 8	Business Analytics and Technology
IHSED 9	HFE in Construction, Mining and Fabrication
IHSED 10	Education, Distance Learning and Training

Conference at a Glance

Wednesday September 23 , 2026

#	SESSION TITLE	ROOM	TRACK
Day 1: Wednesday Sep 23 - Session Time: 9:00 – 10:00 CET			
	Plenary Speech and Opening Session	1	ALL
10:00 - 10:30 • Sessions Break			
Day 1: Wednesday Sep 23 - Session Time: 10:30 - 11:30 CET			
2	Human-centered Design Applications I	1	IHSED 1
3	Business Analytics and Technology Applications	2	IHSED 8
4	Education, Learning and Training Applications I	3	IHSED 10
11:30 - 12:00 • Sessions Break			
Day 1: Wednesday Sep 23 - Session Time: 12:00 - 13:30 CET			
5	Systems Design, Safety and Human Diversity I	1	IHSED 3
6	Sustainable Innovative Materials for Product Development	2	IHSED 5
7	Human Computer and System Interaction I	3	IHSED 7
End of Day 1 Sessions			

Thursday, September 24, 2026

Day 2: Thursday, Sep 24 - Session Time: 9:00 - 10:00 CET			
8	Human-centered Design Applications II	1	IHSED 1
9	Education, Learning and Training Applications II	2	IHSED 10
10	Safety Engineering and Systems Complexity I	3	IHSED 4
10:00 - 10:30 • Sessions Break			
Day 2: Thursday, Sep 24 - Session Time: 10:30 - 11:30 CET			
11	Human Computer and System Interaction II	1	IHSED 7
12	Human-centered Design: AI Applications	2	IHSED 1
13	Human-Autonomy, Cognitive and Safety Assessment	3	IHSED 4
11:30 - 12:00 • Sessions Break			
Day 2: Thursday, Sep 24 - Session Time: 12:00 - 13:30 CET			
14	Human-centered Design Applications III	1	IHSED 1
15	Systems Design, Safety and Human Diversity II	2	IHSED 4
16	Human-centered Design Applications IV	3	IHSED 1
End of Day 2 Sessions			

IHSED 2026 Exhibitor



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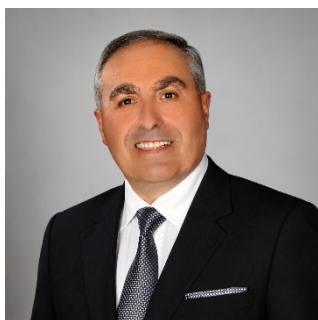


Scientific Program

DAY 1	Opening Remarks and Plenary Speech	All	Room 1
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Wednesday Sep 23	Opening Remarks and Plenary Speech
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9:00 - 10:00 (CET)	Keynote Speech: "Complex Problem Solving: From Ambiguity to Solution Design" Speaker: Dr. Pedro Água, Portugal
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Speaker Bio: Pedro Água. Former Naval Officer, leading departments onboard Naval Vessels. Afterwards had a career in technological industries, at home and abroad. Has been with the Portuguese Naval Academy since 2019, where he teaches defence systems acquisition, project management and negotiation in international context. Has been a national representative for NATO Science and technology, specifically for the field of Systems-of-Systems Concepts. Professor Pedro Água graduated from the Portuguese Naval Academy with a degree

in Naval Military Sciences, and holds a PhD in Industrial Engineering and Management from Lisbon University, where he specialised in Defence Industrial Strategy. He has an Executive MBA from AESE and IESE Business School, and splits his time among teaching, researching and supporting multinational research projects.

DAY 1	IHSED 1	Room 1
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SESSION 2	Human-centered Design Applications I
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Wednesday Sep 23	Session Chair(s): Joshua Kopp, Germany and Masayuki Ihara, Japan
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10:30 - 11:30 (CET)	Designing an Online Rehabilitation Exercise Service for Frailty Prevention among Older Adults
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Masayuki Ihara, Hiroko Tokunaga, Hiroki Murakami, Akihiko Koga, Takashi Yukihiro, Ryoichi Maeda, Masashige Motoe, Shinpei Saruwatari, Japan

Perceived Helpfulness and Adoption Intentions for Real-Time Attendance Text Notifications: Insights from School Stakeholders

Miselta Tita, Joyram Chakraborty, United States

Development of a design system for an AI call intake assistant - a user-centered reverse engineering approach

Joshua Kopp, Stefan Pfeffer, Lukas Willmann, Thomas Schlegel, Verena Wagner-Hartl, Germany

Designing Adaptive Transparency User Interface for Pedestrian Safety in Mobile AR

Qiuli Jin, Zihan Ma, Zhikai Zhao, Shuping Xiong, South Korea

Systemic Design for Social License: Modelling Information and Communication Challenges in Mining Environmental Management through a Systemic CJM

Javiera Rodriguez, Katherine Mollenhauer, Gaspar Jarry,
Karen Silva, Kay Bergamini, Chile

Development and Verification of a Testing Methodology for Driver Alcohol Intoxication Detection Systems

Francesco Deiana, James Jackson, Cristina Periago, Spain

DAY 1	IHSED 8	Room 2
SESSION 3	Business Analytics and Technology Applications	
Wednesday Sep 23	Session Chair(s): Barend Du Toit, South Africa and Deniz Oezcan, Germany	
10:30 - 11:30 (CET)	Perceived Accuracy of Modern Technologies in Property Valuation: Evidence from South Africa Barend Du Toit, Christopher Amoah, South Africa	
	The Defeat-Accelerated Purpose: How Organizational Failure Transforms Resistance into Alignment So Nishina, Japan	
	Measuring What Cannot Easily Be Faked: Development and Validation of the Agenda Engagement and Reward Centricity Scales So Nishina, Japan	
	Art infusion in digital service innovation platform ecosystems Li-Jung Liu, Chun-Liang Chen, Taiwan	
	Extended Exploitation of Data in Manufacturing Companies for Strategic Decision-Making Deniz Oezcan, Iris Graessler, Germany	
	Assessment Of Road Construction Workers' Exposure To Ergonomic Risk Factors Using The Discomfort Survey And Postural Assessment (DiSPA) Tool Uchenna Okoro, Kenneth Lawani, Billy Hare, United Kingdom	
	The Influence of Digital Transformation on Accounting Practices: Evidence from the Saudi Arabia Eman Attia, Afnan Anwar, Essam Salem Raffat, Ola Elsaadani, Abdullah silawi, Saudi Arabia	
DAY 1	IHSED 10	Room 3
SESSION 4	Education, Learning and Training Applications I	
Wednesday Sep 23	Session Chair(s): Maria Hagl, Germany and Christoph Jungbauer, Austria	
10:30 - 11:30 (CET)	Competent, not Necessarily Confident: Insights from a Simulator Study on ATCO Readiness on Non-Endorsed Sectors Maria Hagl, Robert Hunger, Jana Meier, Shruthi Shetty, Michael Finke, Tim Ruediger, Marco Temme, Germany	

**An Integrated Governance Model for University AI:
Extending ISO/IEC 27001 for Higher Education**

Christoph Jungbauer, Eszter Geresics-Földi, Austria

**Development of an Experiential Physical Computing Kit for
Learning Supervised and Unsupervised Machine Learning**

Toshiyasu Kato, Japan

Teaching E-learning for Visually Impaired Students

Theresa Lobo, Portugal

**Factors influencing public safety, societal development and
sustainability due to shortcomings in the educational
system.**

Inguna Ebela, Ingrida Rumba-Rozenfelde, Henrijs Kalkis,
Zenija Roja, Danute Razuka-Ebela, Romualds Razuks,
Latvia

**Supporting Reflexivity, Confidence Building, and Career
Orientation through Educational Science-Grounded AI in
Transition Education for At-Risk Students**

Sandy Ingram, Joris Felder, Morgane Nissille, Leonard Noth,
Bernadette Charlier, Switzerland

DAY 1

IHSED 3

Room 1

SESSION 5 Systems Design, Safety and Human Diversity I

**Wednesday
Sep 23** **Session Chair(s): Pedro Agua, Portugal and
Franziska Braun, Germany**

**12:00 -13:30
(CET)** **Designing for Less and Longer: An Operational Framework for
Lifecycle Governance, Control and Resource Efficiency**
Franziska Braun, Oliver Schweizer, Germany

**Jazz as an Organizing Logic. Leadership: Improvisation and
Coordination in Complex Systems Operations**
Pedro Água, Anacleto Correia, Antonio Goncalves, Armino
Frias, Ivo Soares, Miguel Silva, Portugal

**An Inclusive Teacher-Centred Platform for AI-Supported
Adaptive Learning in Neurodivergent Children**
Maria Vale, Vinicius Silva, Cristina Costescu, Celina Leão,
Joao Sena-Esteves, Ana Paula Pereira, Filomena Soares,
Portugal

Advancing Fairness in AI-Based Ergonomic Assessment
Sol le Lim, United States

**Two field evaluations of the effectiveness and usability of a
trunk posture feedback system**
Jiwon Choi, Sunwook Kim, Sol le Lim, Ryan Porto, Maury
Nussbaum, United States

DAY 1	IHSED 5 Room 2
SESSION 6	Sustainable Innovative Materials for Product Development
Wednesday Sep 23	Session Chair(s): Liezl Le Roux, South Africa and Sandra Ferreira, Portugal
12:00 -13:30 (CET)	Performance-Driven Material Innovation: Evaluating Thermal Masonry Systems as Alternatives to Conventional Cavity Wall Construction Liezl Le Roux, Tascha Bremer, South Africa
	Integrating Soil Quality Indicators into Agricultural Property Valuation: A Human-Centred Decision-Support Perspective WA Lombard, Hendri Du Plessis, Barend Du Toit, Johan van Tol, Antonie Pool, South Africa
	Circularity research using fashion industry waste as new fibers for eco-designed knitwear. Sandra Ferreira, Madalena Pereira, Teresa Raquel Barata, Nuno Belino, Ana Santiago, Marta Fernandes, Rui Miguel, Portugal
	Eco-Dyeing of Wool-Blend Fabrics with a Natural Lac Dye: Comparison of Dyeing Processes and Treatment–Reuse of Dyeing Wastewater Bárbara Saraiva, Nuno Belino, Rui Miguel, João Carvalho, Annabel Fernandes, Portugal
	Enhancing Textile Sustainability Through Natural Dyes: Performance on Wool and Wool-Synthetic Blends Teresa Raquel Barata, Marta Fernandes, Sandra Ferreira, Nuno Monteiro, Nuno Belino, Rui Miguel, Madalena Pereira, Portugal
	Development digital skills for sustainable fashion design projects: a case study of Portuguese brand Marta Bicho Fernandes, Teresa Raquel Barata, Sandra Ferreira, Rui Miguel, Joaquim Trindade, Constança Almeida, Madalena Pereira, Portugal
	The Future of Sustainability and Circular Fashion in Contributing to the Improvement of Better Life Conditions in Communities. An Approach with Artificial Intelligence Madalena Pereira, Marta Bicho Fernandes, Sandra Ferreira, Joaquim Trindade, Rui Miguel, Teresa Raquel Barata, Portugal
DAY 1	IHSED 7 Room 3
SESSION 7	Human Computer and System Interaction I
Wednesday Sep 23	Session Chair(s): Curtis Cripe, United States and Jelle Van Dijk, Netherlands
12:00 -13:30 (CET)	Tactile feedback for controlling a robot with hand gestures Peter Schmid, Celine Bartschinski, Jonathan Kiessling, Thomas Maier, Germany
	A Neuroadaptive Cognitive Deployment Framework for Human–System Integration Curtis Cripe, United States

Redesign of an optical force sensor for hand-grip interface in helicopter flight simulators

Ahmad Abbasi, Andrea Zanoni, Italy

Exploring Embodied Design for Technology-Mediated Emotion Intervention in Bipolar Disorder: A Mixed Methods Study

Zhen Zhao, Jiaan Li, Hailiang Wang, Hong Kong Sar China

Creative Activity as a Self-Regulating Human System: An EEG-Based Study of Oscillatory Dynamics

Mika Isobe, Yoshikuni Edagawa, Japan

Designing by Degree: Levels of Automation and Team Design Patterns as a Shared Language

Jelle A Van Dijk, Rosa van Tuijn, Renske Verwaal-Bootsma, Bas Holleman, Mark A. Neerincx, Netherlands

Optimizing human consciousness outside and inside the loop of artificial intelligence

Sherry Palamara, United States

(Optional Dinner Event - Reservation Required)

**Wednesday
Sep 23**

Time and Date: 19:00-22:00, September 23, 2026

Location: Hilton Paris Opera - Restaurant QUAI 108

Address: 108 Rue Saint-Lazare, 75008 Paris, France

DAY 2

IHSED 1

Room 1

SESSION 8

Human-centered Design Applications II

**Thursday,
Sep 24**

Session Chair(s): Matthias Beggiato, Germany and Kimberly Perkins, United States

**9:00 - 10:00
(CET)**

Long-term One-year Stability of Discomfort Perception in Automated Driving and Personal Influencing Factors

Matthias Beggiato, Cornelia Hollander, Maximilian Hentschel, Angelika C. Bullinger, Georg Jahn, Germany

From Commuters to Explorers: Modal Inertia, Behavioral Commitment, and the Segmentation Logic of Flat-Rate Urban Mobility

So Nishina, Japan

The Sunk Cost Dividend: Anticipatory Commitment, Willingness to Pay, and Behavioral Activation in Flat-Rate Urban Mobility

So Nishina, Japan

Designing for the Operational Middle: A Sociotechnical Framework for Integrating Psychosocial Risk into Aviation Human Factors and Safety Management

Kimberly Perkins, William Hoffman, Daan Vlaskamp, United States

Designing Employee Experience through Culture: A Framework for Culture Shift in Organizations

Kazuhiko Yamazaki, Japan

Financial Reporting Quality and Firm Value: Evidence from Saudi Arabia

Ahmed Kotb, Saad Alharbi, Mahdy Othman, Abdullah Silawi, Saudi Arabia

DAY 2	IHSED 10	Room 2
SESSION 9	Education, Learning and Training Applications II	
Thursday, Sep 24	Session Chair(s): Sabina Bähr, Germany and Ivo Soares, Portugal	
9:00 - 10:00 (CET)	Using BPMN and Chord Wheel Diagram As An Educational Framework For Analysing and Teaching Bob Dylan's Knockin' On Heaven's Door Josef Pavlíček, Petra Pavlíčková, Matěj Brnka, Jana Kalabisová, Czech Republic	
	Extracurricular collaborative learning: Fostering understanding and interest in quantum technologies through escape games for future professionals Sabina Baehr, Juliana Ludwig, Sebastian Lotz, Jens Wizl, Benjamin Burkard, Truong Le, Germany	
	Developing Command Capability Throughout the Career: A Competency-Based Model for Leadership and Communication in the Navy Ivo Soares, Pedro Água, Armindo Frias, Miguel Silva, Catarina Martins, Portugal	
	Ushering a New Era in Medical Education: Ethical Foundations and Vision for adoption of AI and XR based pedagogical frameworks Joe Cecil, Miguel Pirela-Cruz, Jerome Jeevarajan, Parmesh Ramanathan, Avinash Gupta, United States	
	Design of AI and HCI oriented XR based Cyber-Human-Physical framework to support immersive remote learning in robotics and advanced manufacturing Joe Cecil, Miguel Pirela-Cruz, United States	
	Scalable Extraction and Normalization of Biomedical Knowledge from Research Literature Supraja Krowidi, Finn Vos, Laurent Hasson, Ramesh Jakka, Shloke Meresh, United States	

DAY 2	IHSED 4	Room 3
SESSION 10	Safety Engineering and Systems Complexity I	
Thursday, Sep 24	Session Chair(s): Irēna Vaivode, Latvia and Marco Rocchetti, Italy	
9:00 - 10:00 (CET)	Towards Sustainable Operations of High Altitude Platforms: Optimizing Crew Configuration Through Task Distribution Kristian Fettig, Arno Semke, Maria Hagl, Germany	
	Heat Suit-Enhanced VR Training for Emergency Methanol Firefighting in Maritime Operations Eric Lim, Chao Tian, Jason Li, Rick Chua, Thye Sang Ho, Singapore	
	Monitoring and Indicators Related to the Safety Observation Reporting and Management Process Noora Nenonen, Johanna Pulkkinen, Maria Lindholm, Finland	

The Impact of an Enterprise Collaborative Thinking on a Company's Innovative Performance in the Transition to Industry 4.0

Irena Vaivode, Latvia

Human-Centric Health Data Fidelity: Inferential Methodologies for Calibrating Human Systems Integration in Global Health Surveillance

Marco Roccetti, Italy

DAY 2

IHSED 7

Room 1

SESSION 11 Human Computer and System Interaction II

Thursday, Sep 24 **Session Chair(s): Lukas Hofstetter, Austria and Diva Pant, Germany**

10:30 - 11:30 (CET) **PostDisaster – XR tools for assessing environmental disasters, planning related measures, and damage assessment**

Elisabeth Broneder, Lukas Hofstetter, Stefan Penn, Austria

Event-Level Acoustic Emergency Detection to Support Operator Awareness in Public Transport

Diva Pant, Franziska Schmalfuss, Germany

Understanding User Experience in Voice Assistants: The Impact of Functional Suitability and Robust Speech Recognition

David Šajina, Andrej Korica, Tihomir Orehovački, Croatia

Aligning Human-Agent Teamwork Plans with Human Factors in Time-Critical Decision Making

Mark A. Neerincx, Robbert van der mijn, Jonathan Barnhoorn, Netherlands

AI Integration and Risk Identification in Advanced Architectural Design Studios

Samah Elkhateeb, Hassan Mostafa, Saudi Arabia

Geometric Simplification in Humanoid Robot Facial Design: A Cross-Cultural Study of Emotion Recognition

Meina Tawaki, Ichi Kanaya, Keiko Yamamoto, Japan

DAY 2

IHSED 1

Room 2

SESSION 12 Human-centered Design: AI Applications

Thursday, Sep 24 **Session Chair(s): Reinhard Kletter, Austria and Evonne Miller, Australia**

10:30 - 11:30 (CET) **From Generic to Personalized: Lessons for Meaningful Human-AI Interaction in LLM-Supported Care Documentation**

Reinhard Kletter, Sabine Theresia Koeszegi, Austria

Co-Designing Emotionally Supportive AI for Grief: Reflections for Design Practice and Policy

Evonne Miller, Australia

Human-Centered AI for Exploring Global Framing Patterns in Climate Disaster News

Helene Reiter, Rimbart Rudisch-Sommer, Austria

Can governance, ethics, and system design make AI in HR truly trustworthy?

Sapheya Aftimos, Dunya Hassoun, Kuwait

A Multimodal AI System Concept for Large-Scale Consumer Opinion Analysis and Dual-Quality Detection Across European Markets

Maciej Niemir, Poland

A User-Centric Design Approach for Frugal Electric Vehicles

Evangelos Bekiaris, Dimitri Margaritis, Maria Panou, Greece

DAY 2

IHSED 4

Room 3

SESSION 13 Human-Autonomy, Cognitive and Safety Assessment

Thursday, Sep 24
Session Chair(s):
Beatrice Foucault, France

10:30 - 11:30 (CET)
Cognitive Superiority: Human-Autonomy Systems in EDGE Operations

Arne Norlander, Sweden

Cognitive Model of Spear Phishing Cyberattacks

Béatrice Foucault, Raphael Gontran, France

Assessing Technician Capacity for ADAS Services in the Collision Repair Industry

Dongyuan Wang, Pingying Zhang, United States

Dynamic Requirement Verification and Safety Assessment of Complex Systems using MBSE and Co-Simulation

Sandra Gyasi, Mouna El Alaoui, Nicolas Bureau, Robert Plana, Camilo Murillo Coba, France

Physiological Signatures in Blast Overpressure: Implications for Wearable Monitoring

Florence Chua, Alexis Cady, Lucas Hess, Dominic Cheng, Elizabeth Mezzacappa, Robert DeMarco, Jose Rodriguez, United States

Human Authority in the Age of Intelligent Systems: A Sociotechnical Framework for Decision Assurance and Psychosocial Safety

Peta Chirgwin, Australia

DAY 2

IHSED 1

Room 1

SESSION 14 Human-centered Design Applications I

Thursday, Sep 24
Session Chair(s): Junjian Chen, Hong Kong and So Nishina, Japan

12:00 -13:30 (CET)
Rethinking the Sitting Posture Intervention: A Framework for Improving with Nudging

Junjian Chen, Qin Du, Yan Luximon, Hong Kong SAR China

Anthropometric-Driven Ergonomic Framework for Regionally Specialized Seat Design: A Multi-Stage Study on the Brazilian Market

Sunwoo Choi, Heecheon You, Sujin Kim, Xin Cui, South Korea

A Hybrid MCDM Framework for Industrial Robot Appearance Evaluation Based on BWM-CRITIC Combined Weighting and VIKOR Ranking

Wang Yueren, China

Organizational Thermodynamics: A Phase Transition Model of Value Resonance and Entropic Collapse in High-Growth Startups

So Nishina, Japan

Design Framework Based on Endogenous Priority Construction

Shuyao Liu, Yun Wang, China

Trustworthy AI Literacy in Primary Education: A Human-Centred Learning and Measurement Design

Heidrun Mühle, Shaily Gandhi, Austria

DAY 2

IHSED 4

Room 2

SESSION 15 Systems Design, Safety and Human Diversity II

Thursday, Sep 24 **Session Chair(s): Tasnim Hasan, USA and Rebecca Rack, Germany**

12:00 - 13:30 (CET) **Beyond Endurance: Integrating Emotional Intelligence and Systemic Support to Strengthen Resilience in Aviation**

Tasnim Hasan, Natalie Enman, Zhichao Yang, Kerwin Tu, Kimberly Perkins, United States

A Gender-Sensitive Human Systems Engineering Approach to Personal Protective Equipment Design in the Textile Industry: A Sociotechnical Analysis

Hüsre Gizem Akalp, Nurettin Yamankaradeniz, Sevinc Serpil Aytac, Turkey

Postural Strategies, Muscle Activation, and Perceived Strain in Drilling Tasks: Implications for Digital Human Model Prediction

Rebecca Rack, Anne Keßler, Elias Moos, Matthias Körber, Germany

The effectiveness of safety observation classification: A case study

Johanna Pulkkinen, Maria Lindholm, Noora Nenonen, Finland

Acute Physical Stress Responses in Individuals with Chronic Psychological Stress: A Cold Pressor Test Study

Jiayi Hu, Yuki Ban, Shin'ichi Warisawa, Japan

Satellite data supporting situational awareness and management in a natural disaster area

Vesa Salminen, Matti Pyykkönen, Finland

DAY 2	IHSED 1	Room 3
SESSION 16	Human-centered Design Applications IV	
Thursday, Sep 24	Session Chair(s): Marcel Ebel, Germany and Josef Pavlicek, Czech Republic	
12:00 - 13:30 (CET)	Utilizing system models for early prototype configurations in engineering complex technical systems Iris Graessler, Marcel Ebel, Germany	
	New Approaches to User Interface Usability Driven by Changing Mental Models: A Comparative Analysis of Boomers and Generation Z Josef Pavlicek, Irena Štrausová, Petra Pavlíčková, Martin Molhanec, Czech Republic	
	Evaluating Prompting Strategies for Spatial Planning in Mixed-Use Architecture: A Case Study of Kalkbreite, Zürich Seyed Damoun Pezeshki, Ali Ghazvinian, Mahyar Hadighi, United States	
	Designing for Human Performance: Reframing Active Design as a Productivity Strategy in Smart Office Buildings Liezl Le Roux, Kahilu Kajimo-Shakantu, Tascha Bremer, South Africa	
	Reward Temporal Architecture: A Framework for Intentional Culture Shift Design in Large Organizations So Nishina, Japan	
	Challenges with the land use applications process in South Africa George Masuabi, Christopher Amoah, South Africa	
	Graphic Design History Lab: Teaching Critical AI Literacy Through Archival Practice in Design Education Valentina Nitti, Elena Cavallin, Italy	



Poster Demonstration Session

Wednesday - Thursday, September 23-24, 2026 [9:00 - 13:00]

- A-1 Designing Digitally Mediated Networks for Pet-Inclusive Disaster Evacuation: A Socio-Technical Perspective**
Yuka Miyazawa, Osamu Yoshie, Japan
- A-2 Towards Privacy-Preserving In-Vehicle Monitoring of Occupant Activities and Vital Signs Using UWB Radar**
Igor Vozniak, Ivan Burmistrov, Nils Lipp, Konstantin Poddubnyy, Christian Mueller, Germany
- A-3 Evaluation of Hand Sewing Skills for the Design of a Clothing Repair Education Program: Pilot Study**
Mika Morishima, Keisei Maki, Fuka Miyamoto, Mai Yoshikawa, Japan
- A-4 Usability Evaluation of Handlebar Geometry for Steering Operability in a Semi-Recumbent Quadricycle**
Takako Nonaka, Rei Shiina, Japan
- A-5 An experiment to explore the sensitivity of measuring mental effort by applying pupillometry and blink rate to task difficulty levels**
Krisztian Dutka, Mate Koles, Karoly Hercegf, Hungary
- A-6 Development of a miner fatigue state recognition model using ECG and BP neural network techniques**
Guoxun Jing, Liu Chuang, China





Please join us for the:

**9th International
Conference on
Human Systems
Engineering and Design:
Future Trends &
Applications (IHSED 2027)**

**Hilton Budapest
Sept 2-4, 2027**

Budapest, Hungary

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Please join us for the:

10th International Conference on

Human Intelligent Systems Integration (IHSI 2027): Disruptive and Innovative Technologies

University of Naples Federico II Feb 17-19, 2027

Napoli, Italy

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