1. Record Nr. UNINA9910865274103321

Titolo	Engineering Psychology and Cognitive Ergonomics : 21st International Conference, EPCE 2024, Held as Part of the 26th HCI International Conference, HCII 2024, Washington, DC, USA, June 29 – July 4, 2024, Proceedings, Part II / / edited by Don Harris, Wen-Chin Li
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031607318 9783031607301
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (368 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 14693
Disciplina	629.10285
Soggetti	Artificial intelligence Coding theory Information theory Computer networks Computers, Special purpose Computer systems User interfaces (Computer systems) Human-computer interaction Artificial Intelligence Coding and Information Theory Computer Communication Networks Special Purpose and Application-Based Systems Computer System Implementation User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part 1: Engineering Psychology and User Experience: Evaluating User Experience for Intelligent Connected Vehicles: A Qualitative Study -- Lesson Learned: Design and Perception of Single Controller Operations Support Tools -- Gaze Distribution of an Observer While Imagining Wearing Clothing Portrayed in an Advertisement and Predicting the Impression on Others -- Feasibility Verification of Ergonomic Design

Based on Alert Indicators -- Evaluation Method and Capability Improvement Research Based on Controller Capability Characteristics -- A Small Icon and its Effect on User Perception - How the Design of The Passenger Call Button Shapes Passengers Communication with Cabin Crew -- Behavioural Dynamics Towards Automation Based on Deconstructive Thinking of Sequences of Effects: 'As Is – To Be' Automation Effects Change Lifecycle -- Self-Organising Maps for Comparing Flying Performance Using Different Inceptors -- Trust Transfer in Autonomous Vehicles: The Role of Warm Brand Image Amid Automation Failure -- Ergonomic Analysis on the Effect of Background Music on Working Efficiency -- How to Present Paired Information on the HUD Interface: The Effects of Horizontal and Vertical Angles on Object Discrimination -- Part 2: Human Factors in Aviation: Seeing with Touch: The Effect of Full-Body Positional Haptic Feedback During Low-Visibility Aviation Ground Operations -- Research on Autonomy Control of Air Traffic Based on Accurate Awareness and Estimation of Wake Vortex -- An Analysis of Pilot's Eye Movements in Simulated Flight Scenarios -- Pre-shift State Assessment of Air Traffic Controllers Based on Improved Grey Correlation Theory -- Human Cognitive Reliability and R&D Efficiency: A Human Factor Study in Semiconductor Pilot Scale Production Line -- A Non-contact Vital Signs Retrieving Method for Aviation Safety Personnel Using TVF-EMD -- Comparative Analysis of Remote Tower Controllers and Traditional Physical Tower Controllers Based on Human Ergonomics in China -- Response to Acoustic Sounds and Synthesized Speech in an Automated Cockpit Checklist -- Using Flight Quick Access Recorder (QAR) Data to Examine the Effect of Sun Glare on Landing Performance: An Initial Attempt -- Human Factors Association Mining for Controlled Flight Into Terrain Based on QAR Data -- Future Flight Safety Monitoring: Comparison of Different Computational Methods for Predicting Pilot Performance Under Time Series During Descent by Flight Data and Eye-Tracking Data -- Multi-rotor eVTOL Safety Interval Assessment based on Improved Event Model -- FEMASA Method to Establish Workload Evaluation Scenarios in Aircraft Certification Phase.

Sommario/riassunto

This two-volume set LNAI 14692–14693 constitutes the thoroughly refereed proceedings of the 21st International Conference on Engineering Psychology and Cognitive Ergonomics, EPCE 2024, held as part of HCI International 2024,held in Washington, DC, USA, during June 29 - July 4, 2024. The total of 1271 papers and 309 posters included in the HCII 2024 proceedings was carefully reviewed and selected from 5108 submissions. The papers included in the HCII-EPCE two-volume set were organized in topical sections as follows: Part I: Cognitive Processes and Performance in High-Stress Environments; Decision-Making Support and Automation. Part II: Engineering Psychology and User Experience; Human Factors in Aviation. .