1.	Record Nr.	UNINA9911007462103321
	Titolo	Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management : 16th International Conference, DHM 2025, Held as Part of the 27th HCI International Conference, HCII 2025, Gothenburg, Sweden, June 22–27, 2025, Proceedings, Part I / / edited by Vincent G. Duffy
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
	ISBN	3-031-93502-0
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (XXII, 394 p. 190 illus., 171 illus. in color.)
	Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 15791
	Disciplina	005.437 004.019
	Soggetti	User interfaces (Computer systems) Human-computer interaction Social sciences - Data processing Computer networks Electronic commerce User Interfaces and Human Computer Interaction Computer Application in Social and Behavioral Sciences Computer Communication Networks e-Commerce and e-Business
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Digital Human Modeling for Healthcare and Wellbeing: Integrating a Student Wellbeing Tool for Mentors -- Verifying Scientific Validity and Enhancing Response Motivation in Digital Human-Based Mental Health Assessment: A Mixed-Methods Study -- Exploring Satisfaction and Comprehension of Pill Identification Applications: Insights on Design Improvements from Users with Varying Medication Usage Frequencies -- Evaluating Usability, Acceptance, and Trust in the BEAMER Adherence Intelligence Visualization Platform: A Preliminary Study -- Constructing a Conversation-First Dialogue Model for Comprehensive, Evidence-Based Counseling for HPV Vaccination for Young Adults -- Research on User Experience Design of Internet Healthcare and

Intelligent Triage Systems -- How Social Cues in Depression Intervention AI Chatbots Affect Human-Computer Trust. AI and Digital Human Modeling in Safety and Risk Management: Statistical 3D Body Shape Predictions for Standardisation of Digital Human Modelling Tools -- Enhancing Virtual Restorative Environment with Generative AI: Personalized Immersive Stress-Relief Experiences -- The Visibility and Non-Intrusiveness of Peripheral Visioninformation During the Use of AR Devices: The Effects of Transparency Levels, Color, and Font Size -- Design of a Hierarchical Federated Generative Learning Based Smart Home System -- ExpertGen: A Comparative Analysis of User Performance, Cognitive Workload, and Trust in Domain-Tailored Generative AI -- Assessing Vision Obstruction and Safety in E-Scooter Accidents: An Integrated Approach Using Digital Human Modeling and Computer Vision -- The Application of Interactive Narrative in the Health Knowledge Visualization -- Designing Automation for Enhancing Multitasking Performance -- Establishing a Fire Risk Map Based on Planned Spatial Layouts and Environment in Rural Planning: A Case Study of a Stereotype Village in China -- Enhancing Human Detection in Post-Disaster Scenarios through Generative Adversarial Networks. Biomechanics, Ergonomics, and Risk Mitigation: Research on Ergonomic Evaluation and Design Improvement of Grain Analyzer Based on Jack -- Evaluating Multi-User VR for Ergonomic Assessments Using a DHM Software -- Exploring Physical Demand Metric: Slouching Score in Augmented Reality-Based Biomechanics Education -- Assessment of Ergonomic Posture in Augmented Reality Environments using Slouching Score -- Biomechanical Evaluation of a Hybrid Upper-Body Exoskeleton during Lifting and Overhead Tasks in Occupational Settings: A Preliminary Study -- Impact of Exoskeleton Support on Discharge Statistics of Motor Units During Quasi-Isometric Tasks -- Decision Trees and IMU Sensors for Risk Prediction in Manual Material Handling -- Simulation and Analysis of Cervical Biomechanics and Injury Risk in Fighter Pilots Under Different Seatback Angles -- Effects of Shared Control Modalities on Task Performance and User Experience in Robotic Teleoperation: A Path-Tracking Case Study.

Sommario/riassunto	This three-volume set LNCS 15791-15793 constitutes the refereed proceedings of the 16th International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management, DHM 2025, held as part of the 27th International Conference on Human-Computer Interaction, HCII 2025, in Gothenburg, Sweden, during June 22-27, 2025. The total of 1430 papers and 355 posters included in the HCII 2025 proceedings was carefully reviewed and selected from 7972 submissions. The three volumes cover the following topics: Part I: Digital human modeling for healthcare and wellbeing; AI and digital human modeling in safety and risk management; and biomechanics, ergonomics, and risk mitigation. Part II: User experience design for sustainable products and public spaces; and wearable and digital health monitoring. Part III: Healthcare and rehabilitation innovation; augmented and virtual reality for health, wellbeing, and digital human modeling; and behavioral modeling and human-technology interaction.