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Autore	Delir Haghighi Pari
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Altri autori (Persone)	FedushkoSolomiia KotsisGabriele KhalilIsmail
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Nota di contenuto	-- Wearable and Sensor-Based Data for Human Performance and Interaction. -- Investigating Choking Under Pressure in Dance Performance with Motion and Physiological Information Analysis. -- A method for Estimating the Force Applied on the forearm using PPG Sensors. -- Good Vibes! Towards Phone-to-User Authentication Through Wristwatch Vibrations. -- A Method for Embedding Information into Acceleration Data using Resonant Frequency Sound to Capacitive Accelerometers. -- Mobile User Experience, Motivation, and Behavior. -- MEUSec – Method for Enhancing User Experience and

Information Security. -- Correlation between gamification and intrinsic motivation with a mobile job-market application. -- Query by Trash: Encouraging Green Attitudes and Behavior through Eco-News Retrieval in Smart Trash Bins. -- Evaluating the Impact of Color and Sound Combinations on Cognitive Performance in Virtual Reality. -- Medical and Cognitive Health Applications. -- Mild Cognitive Impairment Prediction Using Facial and Speech Data. -- Comparing training of Sparse to Classic Neural Networks for Binary Classification in Medical Data. -- A Genetic Algorithm-Based Scheduling Method Considering Working Hours for Medical Doctors. -- Image, Video, and Multimedia Processing. -- Application of Benford's law to the identification of non-authentic digital images. -- Efficient moving object detection from Ultra-High Resolution omnidirectional video. -- Evaluation of the clustering method used to analyze the proximity of mobile devices using indirect geolocation indicators. -- Software and System Intelligence. -- Cross-Project Software Defect Prediction using Ensemble Model with Individual Data Balancing and Feature Selection. -- AUTO-DataGenCARS+: An Advanced User-Oriented Tool to Generate Data for the Evaluation of Recommender Systems. -- A Method for Eliminating False Positives of Acceleration-based Gesture Recognition Using Eye Tracking. -- Toward the Implementation of a Cooking Support System Complementing Nonexistent Objects with Virtual Objects.

Sommario/riassunto

This book constitutes the refereed proceedings of the 22nd International Conference on Advances in Mobile Computing and Multimedia Intelligence, MoMM 2024, held in Bratislava, Slovak Republic, during December 2–4, 2024. The 10 full papers and 8 short papers in this book were carefully reviewed and selected from 34 submissions. They were organized in topical sections as follows: wearable and sensor-based data for human performance and interaction; mobile user experience, motivation, and behavior; medical and cognitive health applications; image, video, and multimedia processing; software and system intelligence.