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Nota di contenuto	Intro -- Advances in Human Factors and Ergonomics 2021 -- Preface -- Contents -- Human Factors and Wearable Technologies -- Design Principles for Mobile Brain-Body Imaging Devices with Optimized Ergonomics -- Abstract -- 1 Introduction -- 2 Design Process -- 2.1 Design with 3D Anthropometric Data -- 2.2 Dry Electrode and Skin Sensor -- 2.3 Fabrication -- 3 Design Assessment -- 4 Discussion and Future Work -- References -- Training Capabilities Assessment in Support of Enhanced Military Training: Comparing Head-Mounted Displays -- Abstract -- 1 Introduction -- 1.1 Training Proof of Concept -- 1.2 Mixed Reality for Training -- 2 Method -- 2.1 Training Capabilities Assessment -- 3 Results -- 4 Discussion --

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Efficacy of Romantic Poetry: Chinese Classical Poetry Education Project Based on Augmented Reality Technology for Elementary School Students.

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### Sommario/riassunto

This book addresses emerging issues in usability, interface design, human–computer interaction, user experience and assistive technology. It highlights research aimed at understanding human interactions with products, services and systems and focuses on finding effective approaches for improving the user experience. It also discusses key issues in designing and providing assistive devices and services for individuals with disabilities or impairment, offering them support with mobility, communication, positioning, environmental control and daily living. The book covers modeling as well as innovative design concepts, with a special emphasis on user-centered design, and design for specific populations, particularly the elderly. Further topics include virtual reality, digital environments, gaming, heuristic evaluation and forms of device interface feedback (e.g. visual and haptic). Based on the AHFE 2021 Conferences on Usability and User Experience, Human Factors and Wearable Technologies, Human Factors in Virtual Environments and Game Design, and Human Factors and Assistive Technology, held virtually on 25–29 July, 2021, from USA, this book provides academics and professionals with an extensive source of information and a timely guide to tools, applications and future challenges in these fields.

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