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Nota di contenuto	Effects of Duration and Envelope of Vibrotactile Alerts on Urgency, Annoyance, and Acceptance -- Optimal Design of Braille Display Based on Adaptive-Network-based Fuzzy Inference -- Modality-Specific Effect of Cueing on Inter-Manual Coordination in Bimanual Force Control Tasks with Accentuated- or Attenuated-Force Production -- Creation of Realistic Haptic Experiences for Materialized Graphics -- Vibrotactile Encoding of Object Features and Alert for the Visually Impaired -- Haptic rendering algorithm for manipulating tiny objects attached on adhesive surface of rigid objects -- Ocular Tactile Vibration Intervention in VR and its Modeling coupled with Visual Fusion -- A Texture Display Device Based on Multi-coil Superposition Driving Method -- The Central Mechanism Underlying Extrapolation of

Thermal Sensation -- Graphical Tactile Display Application: Design of Digital Braille Textbook and Initial Findings -- DeltaFinger: a 3-DoF Wearable Haptic Display Enabling High-Fidelity Force Vector Presentation at a User Finger -- Improvement of Discrimination of Haptic Motion Experience by Reproducing Multi-point Spatial Distribution of Propagated Vibrations at the Wrist -- Peripersonal space tele-operation in virtual reality: the role of tactile-force feedback -- CobotTouch: AR-based Interface with Fingertip-worn Tactile Display for Immersive Control of Collaborative Robots -- Multi-modal sensing-based interactive glove system for teleoperation and VR/AR -- Haptic Guidance for Robot Arm Teleoperation using Ray-based Holistic Collision Avoidance -- QoE-driven Scheduling for Haptic Communications with Reinforcement learning.

Sommario/riassunto

This book constitutes the proceedings of the 5th International Conference, AsiaHaptics 2022, in Beijing, China, in November 2022.The 17 full papers included in this volume were carefully reviewed and selected from 46 submissions. The conference presents the latest developments of haptic hardware in education, culture, tourism, medicine, elderly care and disability assistance.