1. Record Nr. UNISA996418312503316 Autore Nisky Ilana Titolo Haptics: Science, Technology, Applications [[electronic resource]]: 12th International Conference, EuroHaptics 2020, Leiden, The Netherlands, September 6-9, 2020, Proceedings / / edited by Ilana Nisky, Jess Hartcher-O'Brien, Michaël Wiertlewski, Jeroen Smeets Springer Nature, 2020 Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2020 **ISBN** 3-030-58147-0 Edizione [1st ed. 2020.] Descrizione fisica 1 online resource (XVIII, 557 p. 38 illus.) Collana Information Systems and Applications, incl. Internet/Web, and HCI;; 12272 005.437 Disciplina 4.019 Soggetti User interfaces (Computer systems) Robotics Special purpose computers Application software Optical data processing User Interfaces and Human Computer Interaction Special Purpose and Application-Based Systems Information Systems Applications (incl. Internet) Image Processing and Computer Vision Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Haptic Science -- The EmojiGrid as a Rating Tool for the Affective Nota di contenuto Appraisal of Touch -- A 2-DoF Skin Stretch Display on Palm: Effect of Stimulation Shape, Speed and Intensity -- User-Defined Mid-Air Haptic Sensations for Interacting with an AR Menu Environment -- Surface Roughness Judgment during Finger Exploration is Changeable by Visual Oscillations -- Identifying tactors locations on the proximal phalanx of the finger for navigation -- Tactile Perception of Objects by the User's

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with Stochastic Resonance -- Interest Arousal by Haptic Feedback During a Storytelling for Kindergarten Children -- Investigating the influence of haptic feedback in rover navigation with communication delay -- Shared haptic perception for human-robot collaboration -- Two-Point Haptic Pattern Recognition with the Inverse Filter Method -- Adaptive Fuzzy Sliding Mode Controller Design for a New Hand Rehabilitation Robot.

Sommario/riassunto

This open access book constitutes the proceedings of the 12th International Conference on Human Haptic Sensing and Touch Enabled Computer Applications, EuroHaptics 2020, held in Leiden, The Netherlands, in September 2020. The 60 papers presented in this volume were carefully reviewed and selected from 111 submissions. The were organized in topical sections on haptic science, haptic technology, and haptic applications. This year's focus is on accessibility.