Record Nr. UNINA9910450379903321 Medicine meets virtual reality 13 [[electronic resource]]: the magical **Titolo** next becomes the medical now / / edited by James D. Westwood ... [et al.] Amsterdam;; Oxford,: IOS Press, 2005 Pubbl/distr/stampa **ISBN** 1-280-50478-1 9786610504787 1-4294-0196-6 1-60750-110-4 600-00-0484-2 1-60129-091-8 Descrizione fisica 1 online resource (660 p.) Collana Studies in health technology and informatics, , 0926-9630 ; ; 111 WestwoodJames D Altri autori (Persone) Disciplina 610.2856 Soggetti Virtual reality in medicine Medicine Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographic references and index. Nota di bibliografia Title page: Preface: Conference Organization: Contents: Dynamic Nota di contenuto Generation of Surgery Specific Simulators - A Feasibility Study: Haptic Laparoscopic Skills Trainer with Practical User Evaluation Metrics; Desktop and Conference Room VR for Physicians: A Biologically Derived Approach to Tissue Modeling; Grid Enabled Remote Visualization of Medical Datasets; Surface Scanning Soft Tissues; Validation of a Bovine Rectal Palpation Simulator for Training Veterinary Students; Predictive Biosimulation and Virtual Patients in Pharmaceutical R&D; Simulating Surgical Incisions without Polygon Subdivision 3D Real-time FEM Based Guide Wire Simulator with Force FeedbackDetermining the Efficacy of an Immersive Trainer for Arthroscopy Skills; Teaching Intravenous Cannulation to Medical Students: Comparative Analysis of Two Simulators and Two Traditional Educational Approaches: Validation of SimPL - A Simulator for

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Sommario/riassunto

Robotics and intelligence networks allow the healer's sight, hearing, touch, and judgment to be extended across distance, as if by magic. The moments when scientific truth is suddenly revealed after lengthy observation, experimentation, and measurement is the real magic. This book documents these moments, which are human ingenuity in progress.