



## Advanced Technologies in Rehabilitation: Empowering Cognitive, Physical, Social and Communicative Skills Through Virtual Reality, Robots, Wearable Systems and Brain-computer Interfaces

By G. Riva

IOS Press,US. Hardcover. Book Condition: New. Hardcover. 304 pages. Dimensions: 9.7in. x 6.6in. x 0.9in. The goal of this book is to bring together ideas from several different disciplines in order to examine the focus and aims that drive rehabilitation intervention and technology development. Specifically, the chapters in this book address the questions of what research is currently taking place to further develop rehabilitation, applied technology and how we have been able to modify and measure responses in both healthy and clinical populations using these technologies. The following chapters are dedicated toward addressing these issues: 1) Does Training with Technology Add to Functional Gains 2) Are there Rules that Govern Recovery of Function 3) Using the Bodys Own Signals to Augment Therapeutic Gains; 4) Technology Incorporates Cognition and Action; and 5) Technology Enhances the Impact of Rehabilitation Programs. IOS Press is an international science, technical and medical publisher of high-quality books for academics, scientists, and professionals in all fields. Some of the areas we publish in: -Biomedicine -Oncology -Artificial intelligence - Databases and information systems -Maritime engineering - Nanotechnology -Geoengineering -All aspects of physics -E-governance -E-commerce -The knowledge economy -Urban studies -Arms control -Understanding and responding to

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