



Advanced computational intelligence paradigms in healthcare.

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Springer,
c2011

Libres electrònics

Monografia

This volume presents the latest research in Virtual Reality (VR), as it is being applied in psychotherapy, rehabilitation, and the analysis of behaviour for neurological assessment. This book will be of value to anyone already in the field and to those who are interested in the development of VR systems for therapeutic purposes. The contents include: The latest literature reviews on VR in psychotherapy, psychological wellbeing, and rehabilitation VR and cognitive behavior therapy Increasing presence in VR for effective exposure therapy and treatment of anxiety disorders VR military training for managing combat stress and preventing post traumatic stress VR, mixed reality systems, and games for stroke rehabilitation VR systems for improving vision in children with amblyopia Therapeutic play in virtual environments Healing potential of online virtual worlds such as Second Life Neuropsychological assessment using virtual environments Detailed accounts on how VR systems are designed, implemented, and best evaluated Discussions of limitations, problems, and ethical concerns using VR in mental and physical therapy

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Título: Advanced computational intelligence paradigms in healthcare. 6 Virtual reality in psychotherapy, rehabilitation, and assessment Recurs electrònic] Sheryl Brahnam and Lakhmi C. Jain (eds.)

Editorial: Berlin Heidelberg Springer c2011

Descripción física: 1 recurs electrònic (xvii, 289 p.) ill. (some col.)

Tipo Audiovisual: Virtual reality therapy Virtual reality therapy. fast Ingénierie. eclas

Variantes del título: Virtual reality in psychotherapy, rehabilitation, and assessment

Mención de serie: Studies in computational intelligence 1860-949X v. 337

Bibliografía: Includes bibliographical references and author index

Contenido: pt. 1. Virtual reality and psychotherapy -- pt. 2. Virtual reality and rehabilitation -- pt. 3. Virtual reality and assessment

ISBN: 9783642178245 electronic bk.) 3642178243 electronic bk.) 9783642178238 3642178235 print)
9783642178238 print)

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Punto acceso adicional serie-Título: Studies in computational intelligence v. 337 SpringerLink eBooks

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