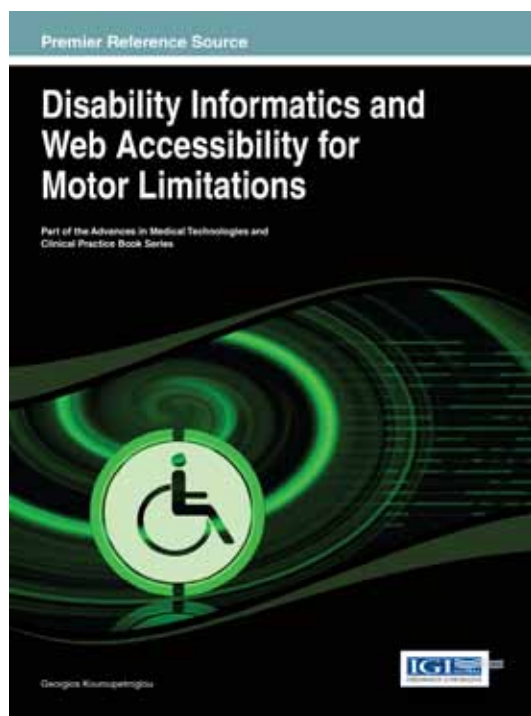


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Disability Informatics and Web Accessibility for Motor Limitations



Part of the Advances in Medical Technologies and Clinical Practice (AMTCP) Book Series

Georgios Kouroupetroglou
(University of Athens, Greece)

As technology becomes an increasingly vital aspect of modern social interaction, the field of disability informatics and web accessibility has made significant progress in consolidating theoretical approaches and exploring new application domains for those with motor and cognitive disabilities.

Disability Informatics and Web Accessibility for Motor Limitations explores the principles, methods, and advanced technological solutions in the use of assistive technologies to enable users with motor limitations. This book is essential for academia, industry, and various professionals in fields such as web application designers, rehabilitation scientists, ergonomists, and teachers in inclusive and special education. This publication is integrated with its pair book *Assistive Technologies and Computer Access for Motor Disabilities*.

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- Formal Representation of Assistive Technology
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- Robotics
- Technologies for the Autism Spectrum Disorders
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Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners. Ideal for classroom use.

Georgios Kouroupetroglou holds a B.Sc. in physics and a Ph.D. in Communications and Signal Processing. He is member of the Academic Staff, Division of Communication and Signal Processing, Department of Informatics and Telecommunications (www.di.uoa.gr), University of Athens (www.uoa.gr) and leader of the Speech and Accessibility Laboratory (<http://speech.di.uoa.gr>) and the e-Accessibility Unit for Students with Disabilities (<http://access.uoa.gr>). His current research interests focuses on the area of Computer Accessibility and Voice User Interfaces, as a part of the major domain of Human-Computer Interaction, with emphasis in: Accessible Computing, Spoken Dialogue Human Computer Interaction, Usability, VoiceWeb, Voice Agents, Voice Processing; Analysis and Synthesis of Speech and Singing, Computer Mediated Interpersonal Communication, Information Systems/Services and Assistive Technologies for Disabled and Elderly People, Music Computing; Singing Voice Analysis, Virtual Musical Instruments, and Byzantine Chanting Analysis and Synthesis, Gesture-based User Interfaces, and Information Technologies for Interactive Learning. Professor Kouroupetroglou has actively participated in a number of European Union funded and National research projects. He has been reviewer/evaluator and member of working groups/technical panels of various European Union's projects/programs. He is author of more than 105 scientific papers in journals/conference proceedings and numerous technical reports in the fields of his interest.

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