Assistive Technologies and Computer Access for Motor Disabilities

Georgios Kouroupetroglou
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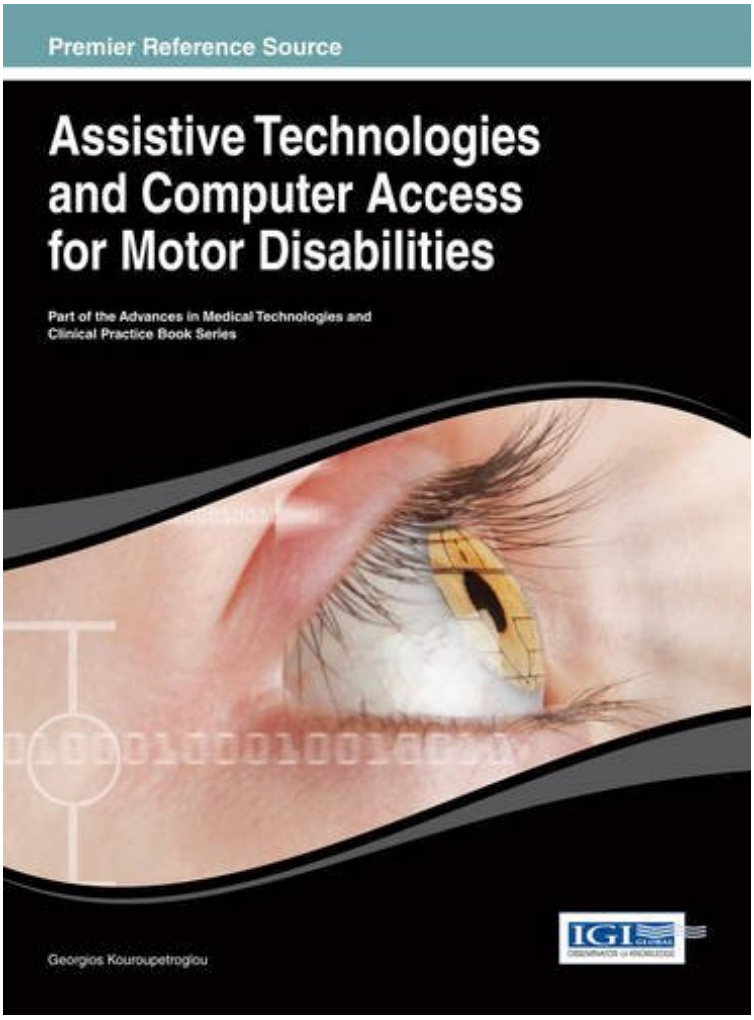

#5700106 in Books Georgios Kouroupetroglou 2013-08-31Original language:EnglishPDF # 1 11.02 x .94 x 8.50l, 2.85 #File Name: 1466644389417 pagesAssistive Technologies and Computer Access for Motor Disabilities | File size: 15.Mb

Georgios Kouroupetroglou : Assistive Technologies and Computer Access for Motor Disabilities before purchasing it in order to gage whether or not it would be worth my time, and all praised Assistive Technologies and Computer Access for Motor Disabilities:

Individuals with disabilities that impede their range of motion often have difficulty accessing technologies. With the use of computer-based assistive technology; devices, tools, and services can be used to maintain and improve the functional capabilities of motor disabilities.Assistive Technologies and Computer Access for Motor Disabilities

investigates solutions to the difficulties of impaired technology access by highlighting the principles, methods, and advanced technological solutions for those with motor impairments. This reference source is beneficial to academia, industry, and various professionals in disciplines such as rehabilitation science, occupational therapy, human-computer interface development, ergonomics, and teaching in inclusive and special education. This publication is integrated with its pair book Disability Informatics and Web Accessibility for Motor Limitations.

Eleven chapters describe assistive technologies for enabling people with motor impairments or limitations to live a more independent daily life, and IT solutions for accessing web content and Internet services. The opening chapter from the University of Missouri explains how gestures and haptic feedback interfaces using bioelectrical signals can help people with motor disabilities interact with computers, cell phones, and power wheelchairs. Other topics include gaze-based assistive technologies, scanning-based interaction techniques, vision-based head and face tracking interfaces, improved pointing for graphical user interfaces, and the impact of assistive technology on independence and employment for the motor disabled. --Annotation 2013 Book News Inc. Portland, OR