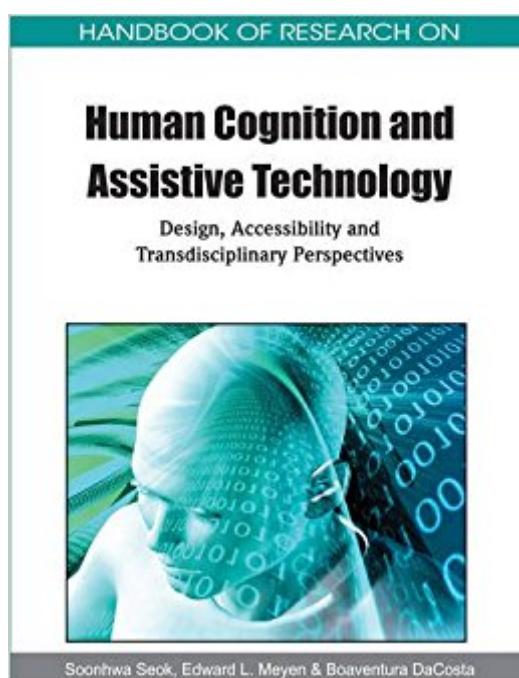


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# **Handbook Of Research On Human Cognition And Assistive Technology: Design, Accessibility And Transdisciplinary Perspectives**



## **Synopsis**

With the unprecedented advancements in computing power coupled with the societal movement towards inclusive settings, there is no better time than today to strive for assistive technology equity in terms of universal implementation within a transdisciplinary perspective. The *Handbook of Research on Human Cognition and Assistive Technology: Design, Accessibility and Transdisciplinary Perspectives* marks a critical milestone in the history of implementation and practice of assistive technology. The intent of this book is to assist researchers, practitioners, and the users of assistive technology to augment the accessibility of assistive technology by implementing human cognition into its design and practice. Consequently, this book presents assistive technology as an intervention for people with disabilities from a transdisciplinary perspective.

## **Book Information**

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## **Customer Reviews**

Soonhwa Seok has an M.A. and Ph.D. in curriculum and instruction in special education from the University of Kansas. Dr. Seok has interests in educational communication and technology with applications for teaching English as a second language and special education. Most recently, as a post-doctoral researcher, Dr. Seok has examined and developed intersensory learning models, assistive technology, and motivation and feedback for students with learning disabilities. Another research focus is assistive technology evaluation, such as functional evaluation for assistive

technology, and supports intensity scales implementing assistive technology for the students with disabilities. She has served as a peer reviewer for conference proposals, presented on web accessibility, and published articles on distance education and special education technology. Edward Meyen is a Budig professor of special education and co-director of the eLearning Design lab at the University of Kansas. His research interests are in the development of elearning tools for use by educators in K-12 and post secondary education. His current work is in developing online tools to enhance the blending of assessment with instruction that is aligned with curriculum standards K-12 Education. Boaventura DaCosta has a B.S. in computer science and an M.A. and Ph.D. in instructional systems design. Dr. DaCosta is a researcher and the cofounder of Solers Research Group, Inc. in Orlando, FL. Among his research interests in cognitive psychology and information and communication technology innovations, Dr. DaCosta is also interested in how games can be used in learning. Complimenting his work as a researcher, Dr. DaCosta has worked in the commercial and government training sectors for the past 15 years as a software engineer and has been involved in a number of defense programs.

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