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Innovative Technologies to Benefit Children on the Autism Spectrum



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

Nava R. Siltan
(Marymount Manhattan College, USA)

More than ever, emerging technology is assisting individuals with autism in a variety of ways. However, many parents, schools, and special education professionals are not aware of the recent technological developments that are available to assist these individuals.

Innovative Technologies to Benefit Children on the Autism Spectrum brings together relevant theoretical frameworks and empirical research concerning the emerging technologies that benefit individuals living with autism. This book is an essential reference source for parents, teachers, special educators, researchers, academics, and other professionals seeking relevant information on the emerging technological advances available for individuals with neurodevelopmental disorders.

Topics Covered:

- Assistive Technologies
- Augmentative and Alternative Communication Devices
- Affective Technology
- Collaborative Virtual Environment Technologies
- ICT and Autism
- Mobile Technology for Individuals with Autism
- Software Designed for Individuals with Autism
- Technology Assisted Social Communication
- Video Modeling for Individuals with Autism

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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.

Nava R. Siltan, Ph.D. received her B.S. from Cornell University and her M.A. and Ph.D. from Fordham University. Siltan has worked at Nickelodeon, Sesame Workshop, and Mediakidz. She has taught both undergraduate and graduate psychology courses at Fordham University, Hunter College, Touro College and began a tenure-track line in the Department of Psychology at Marymount Manhattan College in the fall of 2011. She was a Postdoctoral Templeton Fellow at the Spears Research Institute at the Healthcare Chaplaincy from 2009-2010 and she has conducted research at the Autism Seaver Center at Mount Sinai Hospital and at Sesame Street Workshop. Her primary research interests include determining how best to enhance typical children's sensitivity to children with disabilities, how to teach social emotional skills to children on the spectrum and looking at the interface between religion and health. She is currently producing a children's television show, with a stop bullying platform as a primary focus.



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Section 1: Assistive and Computer Technology for Children with Autism

Chapter 1

The Promise and Limitations of Assistive Technology Use among Children with Autism

Kari Andersen (Fordham University, USA)
Lauren Levenson (Fordham University, USA)
Fran C. Blumberg (Fordham University, USA)

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Brenda Smith Myles (Ohio Center for Autism and Low Incidence, USA)
Jan Rogers (Ohio Center for Autism and Low Incidence, USA)

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Iva Strnadová (University of New South Wales, Australia)
Therese M. Cumming (University of New South Wales, Australia)
Cathi Draper Rodríguez (California State University – Monterey Bay, USA)

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Frank J. Sansosti (Kent State University, USA)
Mary Lynn Mizenko (Kent State University, USA)
Allison Krupko (Kent State University, USA)

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Zandile P. Nkabinde (New Jersey City University, USA)

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Elizabeth A. West (University of Washington, USA)

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Deborah Newton (Southern Connecticut State University, USA)
Brian Reichow (AJ Pappanikou Center for Excellence in Developmental Disabilities University of Connecticut Health Center, USA)

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Jeff Gray (University of Alabama, USA)
Angela Barber (University of Alabama, USA)
Gary Edwards (United Cerebral Palsy of Greater Birmingham, USA)

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Nigel Newbutt (Bath Spa University, UK)

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Nava R. Silton (Marymount Manhattan College, USA)
Senada Arucevic (Marymount Manhattan College, USA)
Rebecca Ruchlin (Marymount Manhattan College, USA)
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