Vanderbilt Kennedy Center Lectures on Development and Developmental Disabilities

Developing Innovative Technologies to Enhance Research and Practice in Individuals on the Autism Spectrum: A Computational Behavioral Science Approach

This presentation will demonstrate several innovative technologies being developed to enhance and accelerate research and practice in individuals on the autism spectrum, including wireless sensors for long-term monitoring of physiological arousal in natural settings; wireless 3-axis accelerometers and pattern recognition algorithms that can automate the detection of stereotypical hand flapping and body rocking; and unobtrusive audio and video capture systems able to gather longitudinal records of behavior and development in home environments.

The VKC welcomes participants with disabilities. Contact kc@vanderbilt.edu for disability access information.

Monday, Nov. 7, 2016
4:10 to 5:10 p.m. • Room 241
VKC/One Magnolia Circle Building

Matthew S. Goodwin, Ph.D.
Interdisciplinary Assistant Professor, Department of Health Sciences & College of Computer and Information Science, Northeastern University