Agenda

5:00 p.m.  Introduction: A Technological Approach to Neurorehabilitation  
Jason B. Carmel, M.D., Ph.D.

5:05 p.m.  Listening in on the Brain - What EEG can do for Neurorehabilitation  
Jeremy Hill, Ph.D.

5:25 p.m.  A Moving Experience - Inferring Visual Function from Opto-Kinetic Tracking  
Glen Prusky, Ph.D.

5:45 p.m.  Robotic Training of Gait and Balance in Children with Cerebral Palsy  
Sunil K. Agrawal, Ph.D.

6:05 p.m.  Break

6:15 p.m.  Non-Invasive Brain Stimulation: Mapping and Changing Brain Function in People with Cerebral Palsy  
Kathleen Friel, Ph.D.

6:35 p.m.  Augmentative and Alternative Communication (AAC) - A Review of State-of-the-Art Technologies and their Use in Pediatrics  
Marnina Allis, CCC SLP

6:55 p.m.  Conclusion: How to Incorporate Emerging Technologies  
Jason B. Carmel, M.D., Ph.D.
Emerging Technologies in Pediatric Neurorehabilitation Course and Demonstration for Therapists, Physicians, Researchers & Caregivers

Blythedale Children’s Hospital
95 Bradhurst Avenue
Valhalla, NY 10595
(914) 592-7555
www.blythedale.org

Course Instructors

Jason B. Carmel, M.D., Ph.D.
Assistant Professor, Weill Cornell Medicine
Director, Research, Blythedale
Director, Motor Recovery Laboratory, Burke

Sunil K. Agrawal, Ph.D.
Professor, Columbia University
Director, Robotics and Rehabilitation Laboratory, Columbia University
Director, Robotic Systems Engineering Laboratory, Columbia University

Kathleen M. Friel, Ph.D.
Assistant Professor, Weill Cornell Medicine
Director, Cerebral Palsy Research, Blythedale
Director, Clinical Laboratory for Early Brain Injury Recovery, Burke

Glen Prusky, Ph.D.
Professor, Weill Cornell Medicine
Director, Vision Recovery Program, Blythedale
Director, Center for Vision Restoration, Burke

Jeremy Hill, Ph.D.
Instructor, Weill Cornell Medicine
Director, Neurotechnology, Blythedale
Instructor, Center for Vision Restoration, Burke

Marnina Allis, CCC SLP
Senior Speech Language Pathologist, Blythedale
Coordinator of Assistive Technology, Blythedale

For directions and transportation information, please visit:
www.blythedale.org/directions-and-transportation

Parking at Blythedale is free.

More Information, please visit:
www.blythedale.org/research

April 20, 2017
5:00 p.m. - 7:00 p.m.

Blythedale Children’s Hospital
95 Bradhurst Avenue
Valhalla, NY 10595
(914) 592-7555
www.blythedale.org