

# ISLAND

# 2010

**1st Annual Independence Science  
Learning a New Direction  
Conference on Disability**

**Stewart Center, Purdue University  
Friday, November 11, 2010**

**128 Memorial Mall  
West Lafayette, IN 47907  
Room 218 A-D**

**Sponsored in part by:  
Discovery Park Learning Center  
Alpha Chi Sigma, Beta Nu Chapter  
Independence Science, LLC**



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**Discovery Park**

**Is<sup>1</sup>** **Independence**  
**SCIENCE**  
...empowering a new vision.®

## **Conference Mission**

The IsLAND conference on Disability serves to inform and connect educators and future educators to the latest assistive technology, while exploring alternative teaching methods and simple access solutions for learning. Multi-sensory and hands-on approaches are emphasized during this conference in order to generate elevated student interest in classroom material and, thus, improve concept development. Symposium topics also include factors that contribute to Science, Technology, Engineering, and Mathematics (STEM) underrepresentation and strategies for increasing representation among students with disabilities.

### Co-Chairs:

Dr. Cary Supalo, Department of Chemistry, Purdue University

Dr. George M. Bodner, Department of Chemistry, Purdue University

Dr. Bharat Bhargava, Department of Computer Science, Purdue University

### Agenda

9:30 am Welcome and Introductions

9:35 am Why We Are All Here and the Importance of the Blind in STEM Education

Dr. Cary Supalo, President, Independence Science, LLC, West Lafayette, Indiana

10:00 am Accessing Biological Concepts in the Science Classroom  
Michael Lombardi, Curriculum Consultant, Independence Science, LLC, West Lafayette, Indiana

10:20 am Ambiguity in Spoken Mathematics  
Mick Isaacson, Saranya Srinivasan, & Dr. Lyle Lloyd, Department of Educational Studies, Purdue University, West Lafayette, Indiana

10:50 am The Assistive Technology Center in the Classroom  
Setting: What We Can Provide David Schwarte, Adaptive Learning Programs Specialist, Purdue University, West Lafayette, Indiana

11:20 am A Mobile-Cloud Collaborative Approach for Context-Aware Navigation of the Blind  
Pelin Angin, Ph.D Student, Department of Computer Science, Purdue University, West Lafayette, Indiana

- 11:50 am Questions
- 12:00 pm Lunch Break  
There are food service providers on the ground floor in the Purdue Memorial Union directly adjacent to the Stewart Center.
- 2:00 pm Welcome Remarks
- 2:05 pm Advancing the Inclusion of Students with Disabilities in Biomedical Laboratory Research  
Dr. Brad Duerstock. Purdue University, West Lafayette, IN.
- 2:35 pm Starting Wright: Web Broadcasts for Students with Disabilities in Grades 7-12 Clark Shingledecker, Research Professor, Learning with Disability Program Office, Wright State University, Dayton, Ohio
- 3:05 pm The Full Integration of Students with Disabilities into the Wright State University Community  
Jeffrey Venrooy, Director, Office for Disability Services, Wright State University, Dayton, Ohio
- 3:35 pm On-line Virtual World for Pre-College Assessment and Training  
Dr. Wayne Shebilske, Professor, Department of Psychology, Wright State University, Dayton, Ohio
- 4:05 pm GMAT Study Guide Series Now Accessible!  
Shashank Patel, Director of Marketing and Sales, gh, LLC, Lafayette, Indiana
- 4:35 pm Concluding Remarks
- 5:00 pm Adjournment