



2008 RESNA Awards Ceremony



Sunday
June 29, 2008



Agenda


- Student Design Competition Awards - *Mark Bresler*
- Student Scientific Paper Awards – *Susan Johnson Taylor, OTR/L*
- International Appropriate Technology Design Competition Awards - *Jon Pearlman*
- RESNA Awards - *Dave Jaffe*

Student Design Competition



- Chair – Mark E. Novak, BSEE, PE
- Host – Mark Irwin Bresler, MBME, PE, ATP
- Thanks to all the reviewers!
- Special thanks to our generous sponsor –
National Science Foundation

Judges

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- *Maureen Linden, MS, BME*
 - *Doug Gayton, ATP*
 - *Kirk Sigveland*
 - *Aimee J. Luebben, EdD, OTR/L, FAOTA*
 - *Mark Irwin Bresler, MBME, PE, ATP*

Final Round Competitor



**Integrated Functional Electrical Stimulation - Ankle
Foot Orthosis Training System**

Jennifer Hadley, Jonathan Steer, and Kristi
Tanouye

Washington University in St. Louis
Department of Biomedical Engineering

Final Round Competitor



Karaoke Trainer

Swarna Solanki and Omar Awan

University of North Carolina - Chapel Hill

Final Round Competitor



**Trace-Aid: A Device to Improve Fine Motor Control
among Children with Autism**

David Zilber and Elliot Greenwald

University of North Carolina at Chapel Hill

Final Round Competitor



DYNASIT: An Assistive Seating System that Controls Sitting Posture and Regulates Body Load Associated with Sitting Related Mobility Problems

Paul van Geffen and Jasper Reenatda

University of Twente

Department of Engineering Technology

Laboratory of Biomechanical Engineering

Final Round Competitor



The iGait: Providing Motivational Feedback for Gait Improvement

Roseanne Warren, Nydia Cardenas, Whitney King, and Obinna Emenike

Stanford University

Department of Mechanical Engineering

Top Five Winner



The Figure-Eight Drive: A Two-Speed Drivetrain for Handcycles in the Developing World

Mario Boffini

Massachusetts Institute of Technology
Department of Mechanical Engineering



Top Five Winner



The CU Walker: A Walker Trainer for Transitioning to Independent Walking

Gregory Briggs, Joshua Gelser, Drew Hackney,
Scott Miller, Joshua Petrel, William Van Dyke, and
Richard Young

Cedarville University
Engineering Department



Top Five Winner



Diabetes Management for the Disabled: Assistive Device for Patients with One Functioning Arm

Eileen Hayden, Ross Budacki, Kim Kontson, Melissa Ong, Andrew Richart, and Amanda Scott

The Pennsylvania State University
Department of Bioengineering



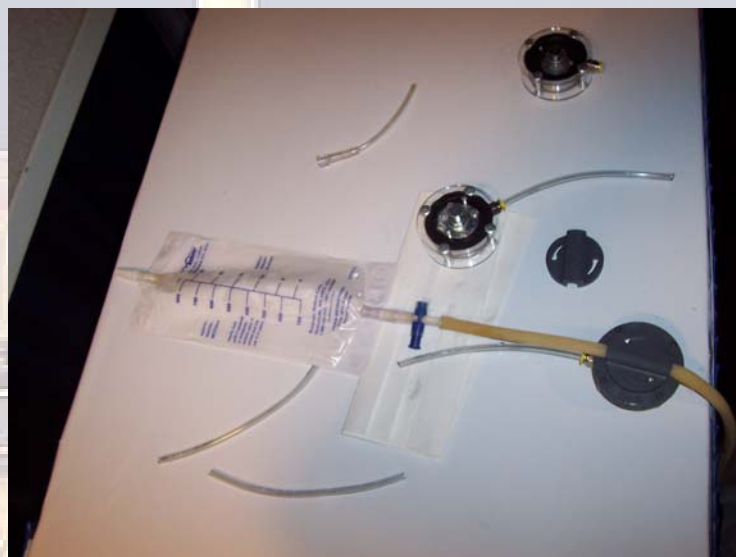
Top Five Winner



Cradle to Grave Design of a Sip Actuated Leg Bag Valve

Matthew Heidt, Tim Ponshock, Chris Esser, and Robert Bradford

University of Wisconsin - Madison
Mechanical Engineering



Top Five Winner



Shoe Helper

Andy Huang, John Perkins, and Alyx Rosen

Duke University
Biomedical Engineering

