





## Results of the 2007-2008 RERC on Accessible Medical Instrumentation Senior Design Competition

Twenty teams from fifteen universities submitted entries into the competition in three areas: Accessible Weight Scale for Seated Users, Accessible Pill Cap Dispensing/Cutting Device, Accessible Incontinence Control Device. Details of the competition are listed at <http://www.rerc-ami.org/ami/projects/d/2/2/year5/index.aspx>.

Universities involved in the competition include: Columbia University, Georgia Institute of Technology, Marquette University, Texas A&M, Trinity University (San Antonio, TX), University of Akron, University of California, Irvine, University of Connecticut, University of Iowa, University of Rochester, University of Toledo, University of Western Ontario, University of Wisconsin-Madison, University of Wyoming, Vanderbilt University. The websites for all of the projects in the competition are posted at the RERC website.

Ten judges from government, industry and academia participated in the competition, with three to four judges evaluating each entry. Each team received up to \$2000 in reimbursement for design costs. First prize: \$1000, Second prize: \$750, Third prize: \$500.

### Overall Winner of the Competition

University of Western Ontario, Project Title: An Incontinence Control Device.

Within each area, the following teams received awards in the competition:

#### Accessible Weight Scale for Seated Users

**First Place** -- University of Connecticut, Project Title: Accessible Weight Scale for Seated Users

Web Address: <http://www.bme.uconn.edu/sendes/Spring08/Team9/index.htm>

Team Members: James I. Johnson, Patrick Tshilenge, Gregory Whitehouse

Faculty Advisor: Dr. John Enderle

**Second Place** – Marquette University, Project Title: ThinkTank

Web Address: <http://www.rerc-ami.org/ami/projects/d/2/2/ThinkTank/RERC-Competition/home.aspx>

Team Members: Kaitlyn Darcy, Chris Estes, Lacey Maiman, Mariel Ponseti, Kim Todd

Faculty Advisor: Dr. Jack Winters

**Third Place** – University of Toledo, Project Title: Seated Accessible Weight Scale

Web Address: <http://homepages.utoledo.edu/kstroek>

Team Members: Katherine Strock, Michael Taylor, Chelsea Worstall  
Faculty Advisor: Dr. Ronald Fournier

### Accessible Pill Cap Dispensing Device

**First Place** -- University of Connecticut, Project Title: An Accessible Pill Cap Dispensing/Cutting Device

Web Address: <http://www.bme.uconn.edu/sendes/Spring08/Team7/RERCcompetition.htm>

Team Members: Ashley Martin, Timothy Coons, Ryan Pogemiller, Christopher Falkner  
Faculty Advisor: Dr. John. D. Enderle

**Second Place** - Columbia University, Project Title: "Capstone Industries: iQueue Pill Dispenser"

Web Address: [http://www.bme.columbia.edu/senior\\_design/08/iqueue/index.htm](http://www.bme.columbia.edu/senior_design/08/iqueue/index.htm)

Team Members: Kimberly Atiyeh, Pamela Bays, Charles Ekstein, Ashley Regazzi, Daniel Wong

Faculty Advisor: Professor Lance Kam

**Third Place** - University of Rochester, Project Title : AccessAPill

Web Address: <http://www.seas.rochester.edu/SrDesign/2008/>

Team Members: John DiRaddo, Peter van Hoff, Bobby Milenovici, Boston Nyer, Julian Oshlag  
Faculty Advisor: Kevin Davis

### Accessible Incontinence Control Device

**First Place** -- University of Western Ontario, Project Title: An Incontinence Control Device

Web Address: [www.eng.uwo.ca/rerc](http://www.eng.uwo.ca/rerc)

Team Members: Aida Kashigar, David Levin, Malgorzata Eva Makowski, Ghazaleh Namavarian, Dale Podolsky

Faculty Advisor: Dr. James Lacefield, Dr. Jim Johnson

**Second Place** - University of Wisconsin-Madison, Project Title: Accessible Incontinence Control Device

Web Address: <https://mywebpace.wisc.edu/bschoepke/web/incontinence/index.html>

Team Members: Arin Ellingson, Marty Grasse, Jon Sass, Ben Schoepke, David Schurter

Faculty Advisor: Mitch Tyler

**Third Place** - University of Akron, Project Title: Accessible Incontinence Control Device (Reliance Inc.)

Web Address: <http://biomed.uakron.edu/design/senior-design>

Team Members: Jason Frampton, Candice Maurer, Moline Prak, Dimitri Sokolov, Dave Warlop

Faculty Advisor: Dr. Mary C. Verstraete