

NATIONAL INVENTORS HALL OF FAME FOUNDATION

COLLEGIATE INVENTORS COMPETITION® RECOGNIZES INNOVATIVE STUDENTS

Cash prizes awarded for original ideas that can benefit society

Akron, Ohio (October 3, 2007)—The Collegiate Inventors Competition, a program of the National Inventors Hall of Fame Foundation, has announced its 2007 finalists. This year's group of finalists includes undergraduate and graduate students from diverse institutions across the country, as well as a team from Canada.

The eleven finalists, who include several teams of two or more students, will travel to Pasadena, California to present their inventions to a Blue Ribbon Panel of judges on October 31, 2007. The winners will be announced at an evening awards ceremony on the California Institute of Technology campus on November 1, 2007. An undergraduate winner and graduate winner will each receive \$15,000, and the overall grand prize winner will receive \$25,000. Their academic advisors will receive cash prizes as well.

The 2007 finalists are:

Undergraduates

Sadie Bartholomew, Otterbein College (Advisor: John Tansey)
Cost-Effective Engineering of a Small-Scale Bioreactor

Corey Centen & Nilesh Patel, McMaster University (Advisor: Hubert de Bruin)
CPRGlove: Wearable CPR Training, Testing and Assist Device

Jinho Kim, Temple University (Parsaoran Hutapea)
Fly by Heat—Smart Wing

Derek Zoch & Steven Jones, University of Pennsylvania (Advisor: Anne Stamer)
Quicker Kicker: A Mechanical Football Holder for Simulating Realistic Place Kicking

Graduates

Ian Cheong, Johns Hopkins University (Advisor: Bert Vogelstein)
Liposomase for Generalizable Drug Delivery

Tara Deans, Boston University (Advisor: James J. Collins)
A Tunable Genetic Switch for Regulating Mammalian Gene Expression

John Dolan, University of California, San Francisco (Advisor: Brian L. Schmidt)
The Dolognawmeter: An Instrument to Quantify Pain-Induced Oral Dysfunction

F. Scott Gayzik, Amber Bonivitch & Kerry Danelson, Wake Forest University School of Medicine (Advisor: Joel D. Stitzel)
Pulmonary Surrogate for Use in Anthropomorphic Testing Devices

Evan Thomas & Maximilian Gold, University of Colorado, Boulder (Advisor: Bernard P. Amadei)
"Bring Your Own Water" Treatment System

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Brian Timko, Harvard University (Advisor: Charles M. Lieber)
An Electronic Interface Between Neurons and Nanowires

Conor Walsh & Nevan Hanumara, MIT (Advisor: Alexander H. Slocum)
Robopsy—A Disposable Medical Robot for Lung Biopsies

The Presenting Sponsors of the 2007 Collegiate Inventors Competition are Abbott Fund and the U.S. Patent and Trademark Office (USPTO). The process for this year's Competition began when entries were solicited from campuses to identify top collegiate inventors. Each entry was judged on the originality of the idea, process, or technology, as well as its potential value and usefulness to society. This initial judging produced the group of finalists who will meet with the blue-ribbon judging panel. The prestigious group of judges includes seven inductees from the National Inventors Hall of Fame: Robert Bower (self-aligned gate MOSFET), Edith Flanigen (molecular sieves), Marcian "Ted" Hoff (microprocessor), Don Keck (optical fiber), George Smith (charge-coupled device), Rangaswamy Srinivasan (excimer laser surgery), and Steve Wozniak (the Apple II personal computer). In addition, the judging panel will include experts from Abbott and the U.S. Patent and Trademark Office.

Jeffrey Dollinger, President of Invent Now, Inc., the subsidiary of the Hall of Fame that administers the competition, says, "Each year we find ourselves impressed by the innovative work and scientific achievement that these students are undertaking so early in their careers. We're looking forward to not just recognizing and rewarding their efforts, but also to seeing the success of their innovations in the coming years."

The Collegiate Inventors Competition encourages college students to be active in science, engineering, mathematics, technology, and creative invention. The Competition specifically recognizes and rewards the innovations, discoveries, and research by college and university students and their advisors for projects leading to inventions that may be patented. Introduced by the National Inventors Hall of Fame Foundation in 1990, the Competition has awarded over \$1 million to nearly 100 students for their innovative work and scientific achievement through the help of its sponsors. For more information on this year's sponsors, Abbott Fund, and the U.S. Patent and Trademark Office, visit www.abbottfund.org and www.uspto.gov. For more information on the Competition and past winners, visit www.invent.org/collegiate.

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