Welcome to Today's Seminar

2012 International E-waste Design Competition Video Presentations and Awards

Presented by

Joy Scrogum and Nancy Holm - Sustainable Electronics Initiative Co-Coordinators

With guest speaker

William Bullock – Affiliated Faculty Scientist, Professor of Industrial Design in the School of Art and Design and Director of the Product Interaction Research Laboratory (PIRL) at the University of Illinois Urbana-Champaign (UIUC)

Nancy Holm

Joy Scrogum

William Bullock

ILLINOIS SUSTAINABLE TECHNOLOGY CENTER
PRAIRIE RESEARCH INSTITUTE

Sustainable Electronics Initiative

www.sustainelectronics.illinois.edu

Mission: The Sustainable Electronics Initiative (SEI) at the Illinois Sustainable Technology Center (ISTC) is dedicated to the development and implementation of a more sustainable system for designing, producing, remanufacturing, and recycling electronic devices.

- Conducts and sponsors research
- Integrate principles of sustainability into the curricula and educational experiences of engineers, industrial designers, computer scientists and others involved in the design, manufacture, and consumption of electronic products.
- International E-Waste Design Competition is the major educational initiative
- Competition grew out of a course on e-waste issues taught by Professor William Bullock in 2009

Acknowledgements

- **Our financial sponsors**
  - Dell (Platinum)
  - ISTC (Platinum)
  - Peter Mcdonnell (Friend)
- **Our expert panel of jurors**
  - Jason Linnell, Executive Director, National Center for Electronics Recycling (NCER)
  - Bill Olson, Director, Office of Sustainability and Stewardship, Mobile Devices Business, Motorola, Inc.
  - Steven Samuels, Former Brand & Design Manager of ReCellular, Inc.
  - Kerstin Nelson Strom, Ecodesign Section Chair, Industrial Designers Society of America (IDSA)
  - Jennifer Wyatt, Environmental Scientist Materials Management Branch, U.S. EPA Region 5
- **Founder and special advisor:** Professor William Bullock
- **Advisors:** ISTC Director Manohar Kulkarni and School of Art and Design Director Nan Goggin
- **SEI co-coordinators:** Nancy Holm and Joy Scrogum
- **Additional ISTC staff support:** Elizabeth Luber, Kirsten Hope Walker, Margaret Morrison, and Julie Dyar
- **Prairie Research Institute,** in particular, Executive Director Dr. Bill Shilts
- **Office of the Vice Chancellor for Research,** in particular, Associate Vice Chancellor for Research Howard Guenther
- **Professors Wesley Woelfel** (CSULB) and **Whitney Nunnelley** (University of Wisconsin-Stout)

2012 International E-Waste Design Competition

- Open to current college/university students or recent graduates from any discipline
- Submissions include a brief YouTube video, project description, bibliography
- Entries may be made by individuals or teams of up to 5 members
- Two categories: “E-Waste Prevention” & “E-Waste Reuse”
- 19 completed entries representing 8 different countries
- Bangladesh, Canada, Chile, Hong Kong, India, Ireland, Turkey & USA
- The decisions of the jury are final
- The press release and winning videos will be on the competition web site, www.ewaste.illinois.edu within the next few days, and the SEI YouTube Channel
- Winners will be contacted by event organizers with instructions regarding additional forms and other steps necessary to receive cash prizes

Prevention Category—3rd Place (Silver), $1000

- **Project Name:** Loopbook—the future of computing
- **University/College:** University of Limerick (Ireland)
- **Student & Discipline:** Damian Coughlan (recent graduate)
- **Video link:** http://www.youtube.com/watch?feature=player_embedded&v=wX2DTQEre70

Prevention Category—2nd Place (Gold), $2000

- **Project Name:** E3: Energy Efficient Electricity
- **University/College:** California State University at Long Beach (USA)
- **Students & Discipline:**
  - John Lee, Industrial Design
  - Soyoung Bae, Industrial Design
  - Sam Sauceda, Industrial Design
- **Video link:** http://www.youtube.com/watch?feature=player_embedded&v=LOTLB03sCTw

Prevention Category—1st Place (Platinum), $3000

- **Project Name:** EverCloud
- **University/College:** Auburn University (USA)
- **Students & Discipline:**
  - Sean Kennedy, Industrial Design
  - Christi Talbert, Industrial Design
  - Dylan Piper-Kaiser, Industrial Design
  - Sarah Caudle, Industrial Design
  - Daniel Piquero, Industrial Design
- **Video link:** http://www.youtube.com/watch?feature=player_embedded&v=ca7F-9JKxuI

Reuse Category—3rd Place (Silver), $1000

- **Project Name:** Fluorescence Microscopy Using a Recycled Paper Scanner
- **University/College:** University of Illinois at Urbana-Champaign (USA)
- **Students & Discipline:**
  - Dustin Gallegos, Electrical Engineering (recent graduate)
  - Lillian Hislop, Biomedical Engineering
  - ZhanHao Xi, General Studies
- **Video link:** http://www.youtube.com/watch?feature=player_embedded&list=UUN561xmPm-ka_2sCis2xCCA&v=s3S-Dv6oC8A

Reuse Category—2nd Place (Gold), $2000

- **Project Name:** The Wake-Up Project
- **University/College:** University of Wisconsin-Stout (USA)
- **Students & Discipline:**
  - Danny Kopren, Industrial Design
  - Sam Wellskopf, Industrial Design
  - Lennon TeRonde, Industrial Design
- **Video link:**
  http://www.youtube.com/watch?feature=player_embedded&v=zsloIAuW_BI

Reuse Category—1st Place (Platinum), $3000

- **Project Name:** digitizer
- **University/College:** University of Wisconsin-Stout (USA)
- **Students & Discipline:**
  - J. Makai Catudio, Industrial Design
  - Ryan Barnes, Industrial Design
- **Video link:** http://www.youtube.com/watch?feature=player_embedded&v=w3GQLLAn7ag

Honorable Mention

- **Project Name:** Sounds Amass
- **University/College:** Hong Kong Polytechnic University (Hong Kong)
- **Student & Discipline:**
  - Tai Ka Cheong, Industrial & Product Design
- **Video link:** http://www.youtube.com/watch?feature=player_embedded&v=SXzCdRRBLLg

Congratulations!!!

Thanks to all participants—you are all winners for considering the environmental impacts of electronic devices & for considering possible solutions to green various aspects of their product life cycles.

Winners—we will be contacting you with further instructions & details.

If you did not place, or were unable to complete your entry for this year, keep checking www.ewaste.illinois.edu after the first of the year for information on the 2013 competition. Also consider other relevant competitions listed at http://www.sustainelectronics.illinois.edu/education/competitions.cfm, including the 2013 Dell Social Innovation Challenge (http://www.dellchallenge.org/).