2013 International Sustainable Electronics Competition (ISEC) Video Presentations and Awards

Presented by

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ILLINOIS SUSTAINABLE TECHNOLOGY CENTER
PRAIRIE RESEARCH INSTITUTE

Sustainable Electronics Initiative

www.sustainelectronics.illinois.edu

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, using, and managing electronic devices.

Two-pronged approach—Research & Education

- 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.

Acknowledgements

Our financial sponsors

- Professional Field Services, http://www.professionalfieldservices.net; Erin Elmiger & Robert Caverly
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SEI co-coordinators: Nancy Holm and Joy Scrogum
ISTC Staff: Interim Director Dr. Dave Thomas & Director Dr. Kevin O'Brien; Kirsten Hope Walker, Margaret Morrison, Julie Dyar, Debbie Folks-Huber, Eric Springer, Elizabeth Luber
Prairie Research Institute: Executive Director Dr. Bill Shilts
Technology Entrepreneur Center: Dr. Brian Lilly

Acknowledgements

Our expert jurors

- **Craig Boswell**, President, HOBI International, Inc.
- **William Bullock**, Professor of Industrial Design, School of Art + Design, University of Illinois at Urbana-Champaign
- **Jason Linnell,** Executive Director, National Center for Electronics Recycling (NCER)
- **Bill Olson**, Director, Office of Sustainability and Stewardship, Motorola Mobility LLC--a Google Company
- **Lynn Rubinstein**, Executive Director, Northeast Recycling Council and Program Manager, State Electronics Challenge
- **Kyle Wiens**, CEO, iFixit and Dozuki

Competition History Highlights

2009

- Founded by Industrial Design Professor William Bullock
- Local event open to all UIUC students
- “Sustainable E-Waste Design Competition”
- “Artist/Designer” and “Geek/Technical” categories
- Focused on reuse of electronic scrap

2010

- Expanded to international event with online submissions
- “International E-Waste Design Competition”
- Entries from 6 countries: Australia, Canada, Cyprus, South Korea, Turkey, and US

2011 & 2012

- Entries from US, England, Hong Kong, India, Ireland, South Africa, Turkey, and South Korea and one bi-national team (2011).
- Categories changed to “Prevention” & “Reuse”

2013

- Name changed to “International Sustainable Electronics Competition”
- Categories changed to “Product” & “Non-Product” with concepts of prevention & reuse integrated throughout judging criteria

- 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: “Product” & “Non-Product”
- 2013 entries represented 6 countries: Australia, Canada, India, Mexico, Togo, & US
- 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

- For the purposes of this competition, a “product” is an item that is manufactured or refined for sale. Concepts submitted to the Product category may include items manufactured from electronic scrap (an example of reuse); items designed in such a way as to extend their useful lifecycle (an example of prevention of e-waste generation); items that incorporate alternative materials or employ alternative manufacturing processes which conserve resources (an example of prevention of negative environmental impacts); and items that raise awareness of the impacts of electronic devices or otherwise foster positive environmental behavior (examples of prevention of negative environmental impacts). Concepts may address one or any combination of these issues.

- For the purposes of this competition, a "non-product" is a concept for an organization, a service, program, or item that is not intended for individual sale to a single consumer (e.g. an art installation, an educational film, a curriculum, a policy, etc.).

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

- **Project Name:** Cellscreen
- **University/College:** Swinburne University of Technology (Australia)
- **Student & Discipline:** Sam Johnston, undergraduate in product design
- **Video link:** http://www.youtube.com/watch?v=nGn4hJpq8rU

Product Category—2rd Place (Gold), $2000

- **Project Name:** Mion
- **University/College:** University of Alberta (Canada)
- **Students & Discipline:** Team of 5 undergraduates in design
  - Mikenna Tansley
  - Jiayi Li
  - Fren Mah
  - Russell Davisdon
  - Kapil Vachhar
- **Video link:** http://www.youtube.com/watch?v=nOsZCBJIhws

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

- **Project Name:** E-waste Meets Farming
- **University/College:** Swinburne University of Technology (Australia)
- **Student & Discipline:** Michael Van Dord, undergraduate in product design
- **Video link:** http://www.youtube.com/watch?v=-NFv2hkxmBo

Non-Product Category—1st Place (Platinum), $3000

- **Project Name:** ENERGENCIA
- **University/College:** Instituto Tecnológico y de Estudios Superiores de Monterrey Campus Puebla (Mexico)
- **Students & Discipline:** Pair of undergraduates, undeclared majors (or at least not reported on their submission forms)
  - Stephanie Vázquez
  - Pedro Baños
- **Video link:** http://www.youtube.com/watch?v=zF1CIhSRyPs

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 on paperwork necessary to receive cash prizes.

- All of the winners this year were international students—none of the US students who participated placed. So the international nature of this competition is all the more apparent.
- Though none of our local UI entrants placed, SEI staff will assist in trying to implement any concepts that relate to campus policies & practices.
- For those teams that opted in, feedback from the Technology Entrepreneur Center will be sent in the near future, along with relevant comments from jurors