



2006 IEEE International Symposium on Electronics and the Environment & the IAER Electronics Recycling SummitSM



**Including Emerging Technologies in Electronics, Energy, and the Environment
May 8-11, 2006 San Francisco, CA**

The IEEE Computer Society's Technical Committee on Electronics and the Environment and the International Association of Electronics Recyclers (IAER) are pleased to announce the 2006 IEEE International Symposium on Electronics and the Environment to be held in conjunction with the IAER Electronics Recycling SummitSM. This is the premier event for presenting and learning about environmental topics and sustainability as they pertain to the life cycle of electronic products, applications, and the electronics industry.

The program will feature the latest in environmental design, manufacturing, new technologies, recycling, and policy from world leaders in industry, academia, consulting, recyclers and public policy areas. This year's focus area will be Emerging Technologies and their impact on Energy, Materials, and Systems in the Design, Production, Use, and Disposal of Electronics. Of particular interest are non-traditional technologies being considered in emerging products (including fuel cells and nanomaterials) and future trends in end-of-life management, for both new processes and new products. Good quality papers from the conference proceedings will be selected for recommendation of publication for a special issue of the IEEE Transaction on Electronics Packaging and Manufacturing.

CALL FOR PAPERS

2006 Symposium Highlights:

- ISEE Technical Program – Including a separate track dedicated to Emerging Technologies
- IAER Electronics Recycling SummitSM
- ISEE Expo 2006

Keynote speakers, expert tutorials, panel discussions, and paper presentations in the categories listed below will be included. Authors from industry, academia, recyclers and consultants are invited to submit papers describing research, applications, tools, and case studies. Approximately 30 minutes are provided for each paper presentation including questions and responses.

TOPICS (with suggested subtopics):

Environmental Systems

- Industrial Ecology, LCA, Sustainability

Green Manufacturing Processes

- Material and Energy flows, Supply Chain, Pollution Prevention

Materials and Product Design

- DFE, Material selection and substitution, Emerging Technologies

Use and Applications of Electronic Products

- Energy management and optimization, Product life, New applications

End-of-Life and Recycling Technologies

- Material separation and recovery, Asset management and logistics

Policy, Regulation, and Business Case Studies

- Measuring performance, Legislation compliance, Information flow

ABSTRACTS DUE OCTOBER 24, 2005

SUBMISSION OF ABSTRACTS: Prospective authors should submit an extended abstract of at least 900 words clearly explaining the subject, originality, and relevance to the symposium on or before October 24, 2005. Abstracts are to address each of the following categories to be considered:

- Problem addressed
- Knowledge of prior work
- Project undertaken
- Research methods
- Conclusions

Abstracts are to be submitted through the IEEE Conference eXpress website:

<http://www.ieee.org/conferencepublishing>

Enter Conference ID – isee06 (please use lower case)

Please consider forwarding copies of this announcement to colleagues, suppliers, academic partners or others who may be good contributors to the program

**For all symposium information log onto the ISEE website:
<http://www.iseesummit.org>**

Authors whose papers are selected will be notified in early December. Authors will be entitled to register for the symposium at a reduced rate and must register for the symposium before the final paper is submitted. All papers that are selected must be orally presented at the Symposium by the authors or their designated presenters. Completed papers are due February 20, 2006 for inclusion in the ISEE '06 Symposium Proceedings. Final papers will be limited to six pages in length, including illustrations.

Information on registration and hotel reservations will be available in January 2006 at <http://www.iseesummit.org>.

ATTENTION STUDENTS: The seventh annual student technical paper contest will recognize the contributions of students to the advancement of environmental practices in the electronics industry. To be eligible, the primary author must be a student on or after January 1, 2006 and must present original work in an accepted 2006 IEEE ISEE conference paper. Students must send a completed contest eligibility form (available at www.iseesummit.org) and a MS Word or pdf version of the paper to v.feuerstein@ieee.org. For further information or questions please contact Vita Feuerstein at v.feuerstein@ieee.org. Student attendees are invited to apply to present their research and other work in a poster session being held in conjunction with the EXPO. Due to a limited number of poster slots, students are directed to fill out the application form at <http://www.iseesummit.org>. Students will be notified by email if their poster application is accepted.

ISEE EXPO 2006:

As a complement to the Technical Program, there will again be an official EXPO at the 2006 Symposium. Exhibitors will be displaying products, services, and technologies relating to the conference theme including the electronics recycling industry. For more information regarding participation in the EXPO, please contact Scien-Tech Associates at 828-898-6375 or dbarbsta@aol.com.

Symposium Co-Chairs:

Braden Allenby, Arizona State University
Barbara Karn, US Environmental Protection Agency
Susan Landry, Albemarle Corporation

Technical Program Co-Chairs:

H. Scott Matthews, Carnegie Mellon University
Cynthia Folsom Murphy, University of Texas at Austin
Arpad Horvath, University of California, Berkeley

Finance Chair:

Edward Grenchus, IBM Corporation

Summit Program Chair:

Todd Hill, trueCycle, Inc

Exhibit Co-Chairs:

Joe Ahoe, Recycle America Alliance
Varney Smith, Unicolor
David Barber, Scien-Tech Associates

Publicity Co-Chairs:

Peter Bennison, Waste Management & Recycling
Peter Muscanelli, IAER

Education Co-Chairs:

Eric Masanet, Lawrence Berkeley National Laboratory
Jay Dietrich, IBM Corporation
Peter Bennison, Waste Management & Recycling

Webmaster:

Andrew Sweatman, EHS Connect/EORM