

The Center for Electronics Design & Manufacturing (cEDM) mission:

*To support industry by means of **knowledge creation and sharing, scientifically sound methodologies and collaboration throughout the electronic supply chain**, in the development and production of high quality, reliable electronic modules (PBA).*

The Center for Electronics Design & Manufacturing organizes workshops on a regular basis. At these workshops Printed Board Assembly topics are presented followed by a Q&A session. The participation of our cEDM partners allows us to enlighten the topic of the day from different viewpoints in the electronic supply chain.

This workshop on E-waste recycling optimization is of interest to all involved or responsible for Printed Board Assemblies and electronic components and electronic products in general. This workshop will take place on the 7th of June 2013 at High Tech Campus , HTC34 auditorium, Eindhoven, The Netherlands.

E-Waste recycling optimization and Design-for-Recycling ENIAC project GreenElec



Abstract:

Recycling treats complex waste streams containing precious and other metals and materials. A smelter can recover some 20 precious and other non-ferrous metals from shredded end-of-life electronics.

Electronic waste and especially electronic parts however have low recycling yields. Electronics pose a recycling challenge both from the point of purity (contaminants) as well as volume. The EU funded ENIAC project GreenElec aims at fundamentally improving the recycling situation by performing research into the basic aspects that determine recycling efficiency.

This workshop will introduce the GreenElec project and give a glimpse of the possibilities to identify and quantify material content and improve the recycling process of electronics by Design-for-Recycling and selective disassembly based on optical recognition or product data made available end-of-life.

Preliminary agenda

- 13:30 Doors open
- 14:00 Welcome
- 14:10 “The GreenElec Project”
by Dr. Ruud Balkenende, Philips Research
- 14:40 “Identification of materials in PBA’s & Design for Recycling”
by Wesley van Meensel, cEDM imec
- 15:00 “Recycling of E-waste”
by Prof. Dr. Ir. Joost Duflou, CIB University KU Leuven
- 15:20 Pause
- 15:40 “Improvement of Recyclability”
by Prof. Dr. Ir. Joost Duflou, CIB University KU Leuven
- 16:00 “Full material declarations: the Barco case study”
by Jimmy Dirickx, Barco
- 16:20 Q&A
- 16:45 Networking with drinks and snacks.

Practical information

- cEDM workshop participation:
 - Participation fee: **€80**
 - Free of charge for cEDM member & partners and GreenElec partners.
 - Location: High Tech Campus, HTC34 auditorium, Eindhoven, The Netherlands.
 - Registration via e-mail: training@imec.be
- For more information:
 - Filip Ponsaerts, Filip.Ponsaerts@imec.be, +32-16-283412
 - edm@imec.be

Center for Electronics Design & Manufacturing

Interested in member- or partnership of cEDM, please contact:
Filip Ponsaerts, Filip.Ponsaerts@imec.be, +32-16-283412

More cEDM info: www.edmp.be



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