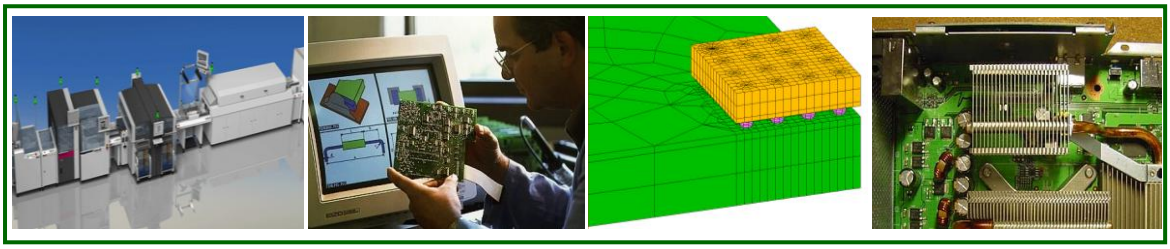
The Electronic Design & Manufacturing program mission:
*To support industry by means of **knowledge creation and sharing**, **scientifically sound methodologies** and **collaboration throughout the electronic supply chain**, in the development and production of high quality, reliable electronic modules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

The EDM program organizes Printed Board Assembly workshops on a regular basis. At the workshops PBA topics are presented followed by a Q&A session. The participation of our EDM partners to the Q&A session allows us to enlighten the topic of the day from all possible viewpoints in the electronic supply chain.

This workshop is of interest to all involved or responsible for the reliability of Printed Board Assemblies and electronic components and electronic products in general. This workshop will take place on the 21st of March 2012 at imec, Kapeldreef 75**,** Heverlee (Leuven). Doors: 13h30; Start: 14h00.

Cost-effective and better products through science based guidelines!

VIS-TRAJECT PROSPERITA



Abstract

Designing and manufacturing electronics in today's competitive world of outsourced activities is a complex situation, both for customer and service provider. Do you recognize the constant challenges of new customer requests, new technology, changing legislation and increasing product demands in your electronics projects, whether in house or outsourced? Is your supply chain becoming increasingly complex and harder to control?

In 2011 EDM started on Prosperita to assist you on the PCB/PBA issues by delivering guidelines as well as collective and individual advice.

In the VIS[1] trajectory Prosperita we will realize Design-for-X guidelines to design, manufacture and integrate cost effectively PBA's with controlled quality and reliability, aiming for internationally competitive electronic based products and systems and a short time-to-market. These guidelines will focus on *Design-for-Manufacturing* and *Design-for-Integration*.

In this workshop we will cover the Prosperita work packages and their projected results.

[1] VIS: Vlaamse Innovatie Stimulering – IWT programma

Agenda

13h30 Doors.

14h00 Welcome: The Electronic Design & Manufacturing program.
Filip Ponsaerts – imec-EDM

14h10 Prosperita: R&D by EDM.
Geert Willems – imec-EDM

14h30 PBA quality and assembly modeling.
Boris Leekens – imec-EDM

14h50 The PBA simulation tool.
Wesley Van Meensel – imec-EDM

15h10 PCB via modeling.
Steven Thijs – imec-EDM

15h30 Pause.

16h00 Mechanical interaction between product and its embedded electronics
Rob Van Tol - Sirris

16h30 Overview Tetra-project DfX-Bridge activities.
Davy Pissoort -KHBO

17h00 Q & A – discussion.

17h15 Networking with drinks and snacks.

Practical information

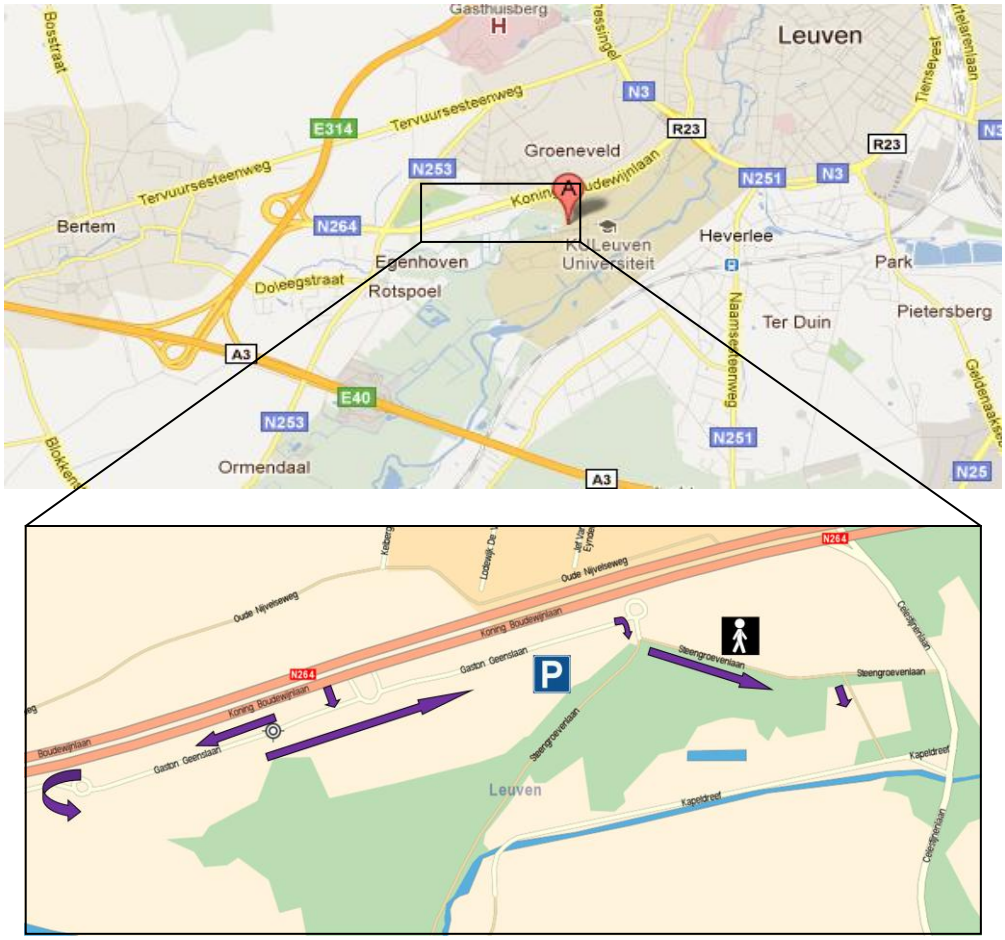
- EDM workshop participation:
  - Participation fee: **€80**
  - Participation is free of charge for EDM member & EDM partners.
  - Registration via e-mail: training@imec.be
- For more information:
  - Filip Ponsaerts, Filip.Ponsaerts@imec.be, +32-16-283412
  - edm@imec.be

The Electronic Design & Manufacturing programma

Interested in member- or partnership of the EDM program, please contact:
Filip Ponsaerts – Filip.Ponsaerts@imec.be – +32-16-283412
More EDM info: www.edmp.be

Supported by IWT in the framework of VIS-Prosperita - www.iwt.be

Getting to imec



Overflow parking imec at the Science Park:

1. Either coming from Brussels (E40) or coming from Hasselt (E314): take exit 15 for “Leuven” and follow the Koning Boudewijnlaan (N264) for about 1 km. At the 2nd traffic lights, take right and follow the sign “Wetenschapspark Arenberg”.

2. Or coming from Leuven, turn left at the 2nd traffic lights and follow the sign “Wetenschapspark Arenberg”.

3. You have now arrived at the Gaston Geenslaan. Follow this lane, drive around the roundabout and continue until you see the buildings of Bio-Incubator.
On your right, you will find the overflow parking from imec. This parking is free of charge.

4. The entrance of imec is within walking distance from the overflow parking. Follow the signs. You will arrive at the Steengroevenlaan, follow this lane until you see the Skybridge of imec, take right. Follow the path until the backside of the entrance hall of imec. Follow the signs and register at the registration desk.

Remark: In case of GPS, **do not** enter "Kapeldreef 75" as destination; use "Gaston Geenslaan" as destination.