



IMAPS-Benelux  
Winter Event  
2016

**Prototyping and  
low volume series**

Thursday, 28 January, 2016

*Venue :*

Taipro  
Rue Bois Saint Jean 15/1  
B-4102 Seraing  
Belgium

[www.imaps-benelux.eu](http://www.imaps-benelux.eu)

Atfender:

IMAPS-Benelux  
p/a Katrien Vanneste  
ELIS-CMST  
Technologiepark 914A  
B-9052 Zwijnaarde

**REGISTRATION**

*registration fees (includes lunch and coffee) :*

- |  |         |
|--|---------|
| <input type="checkbox"/> IMAPS member (Benelux or international)                 | 40 EUR  |
| <input type="checkbox"/> Non member<br>workshop fee includes 2016 membership fee | 110 EUR |
| <input type="checkbox"/> Student   | 20 EUR  |
| <input type="checkbox"/> Student with poster                                     | 0 EUR   |

Registrations should be made before January 26, 2016.  
Cancellations after January 26 will not be refunded. After  
registration, you will receive a confirmation and driving directions.

For table top presentation (for free) or a poster presentation,  
please contact :

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INTERNATIONAL MICROELECTRONICS AND PACKAGING SOCIETY  
IMAPS - BENELUX  
BENELUX CHAPTER



# PROGRAM

## 14.30 Registration, coffee, exhibition

## 15.00 How to create a business in the field of microsystems

*Michel Saint-Mard, Taipro, BE*

How to create a one stop shop business in the field of Microsystems ? From idea to production, TAIPRO will highlight its story, including: difficulties to set-up such a business, how to convince customers to use the packaging services even for small series. Finally, two success stories will be described.

## 15.30 An integral approach to prototyping

*Folkert Morsheim, Philips Innovation Services Greenhouse, NL*

Making prototypes is "just" a step in the development process. However an extremely important step! It can make or break a business case. Making good, electronic prototypes enables you to get buy in from potential customers. It also enables you to make a quick start in the development and industrialization of your idea. The prototypes we make vary from high end PCBA, hybrids, and electronic micro assemblies and differ in shape, size and interconnect complexity. For that reason they require different types of skills and capabilities. In this presentation we present the Philips Greenhouse approach, and the capabilities we combine in the prototyping of electronics.

## 16.00 High complexity, low volume assembly

*Justin Harwig, Prodrive Technologies, NL*

Prodrive Technologies is progressing assembly of high tech PCBAs for the semiconductor industry, OEMs, aerospace and recently also for consumer electronics. One of the challenges is the low temperature soldering of electronic components so that the combination of SAC alloys and low temperature embedded components is possible. An overview will be given of the Prodrive activities in various branches, and PCBA technologies used will be discussed in more detail.

## 16.30 Coffee, exhibition

## 17.00 Subcontracting of a sensing microsystem

*Pascal Waroux, CMI, BE*

Lubrication is an essential operation and vital for mechanics. The lack of control over the act of lubrication and the impacts will be briefly exposed.

The way to solve this lack of control via a smart sensor/microsystem called "Li-Corne" will be explained starting from the idea including the difficulty to identify all the heavy industry constraints, to production of the microsystem (deployment of the solution).

## 17.30 ASICs Power management – Project development from idea to prototype

*Mike Wens, Mindcet, BE*

Power Management ASICs require a multidisciplinary approach, from voltage/current/power handling on IC level towards the packaging and system implementation. Emerging needs toward higher switching speeds and higher power densities require new techniques and approaches.

## 18.00 Sandwiches - opportunity to visit the Taipro premises

## 19.30 Closing