



European  
manufacturing platform  
for Photonic Integrated Circuits

## **Milestone M1.7: Second User Group Meeting Held**

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*Project Number: NMP Framework 7 programme: CP-TP 228839-2 EuroPIC*

*Project Start Date: 1st August 2009*

*Duration 36 months*

*Due date of milestone: July 2011*

*Actual Submission Date: July 2011*

*Lead Partner: VDHP*

*Other Contributing Partners: WIL, COBRA, BBP*

### ***Summary***

The second joint JePPIX/EuroPIC User Group meeting was held as a satellite meeting to the Third European Platform Integration Forum (EPIF2011); 21<sup>st</sup> June, Eindhoven, The Netherlands.

## 1. EuroPIC: Second User Group Meeting

The second EuroPIC User Group Meeting was held on 21<sup>st</sup> June 2011 at TU Eindhoven as a satellite meeting to the **Third European Platform Integration Forum (EPIF2011)**. Growing and organizing the user group is a joint JePPIX/EuroPIC activity. Currently there are ~75 members of the user group. EPIF2011 was well attended, with over 100 participants, and this level of interest was reflected in our user meeting later in the day when ~30 people attended.

The user group meeting itself was held as an evening meeting immediately after the EPIF2011 meeting organized by the ePIXnet platforms; ePIXfab (Silicon Photonics, [www.epixfab.eu](http://www.epixfab.eu) ), TriPleX (passive dielectric (SiON) waveguide technology, [www.lionixbv.nl/integratedoptics/triplex.html](http://www.lionixbv.nl/integratedoptics/triplex.html) ) and JePPIX (Indium Phosphide platform, [www.jeppix.eu](http://www.jeppix.eu) ).

Attendance at this second *EuroPIC User group meeting* was open to all (public meeting) as was the first in 2010. There was no registration fee.

Publicity for the meeting was arranged through JePPIX/TU Eindhoven (with thanks to the local organizers).

There were four, 15 minute presentations:

- *Welcome.*  
*Prof. Meint Smit, TU Eindhoven.*
- *EuroPIC and Paradigm: What to expect from the generic InP fab programmes.*  
*Dr. Dave Robbins, Willow Photonics Ltd, UK.*

The EU funded projects EuroPIC and PARADIGM were briefly introduced in the context of the generic InP fab and their relationship with other platform related projects discussed. A technology roadmap was presented out to 2015 indicating the structure and timing of calls for new designs to be fabricated on the EuroPIC and PARADIGM Multi-project wafer runs, and for the introduction of new partners into the PARADIGM project.

- *A glimpse on the Design Manual, the centrepiece of a generic design approach*  
*Dr. Ronald Broeke, BBPhotonics bv, The Netherlands.*

The design manual is central to how the users wishing to have designs fabricated interact with the generic fab. It covers design tools, design rules and building blocks as well as containing some packaging related information. Ronald discussed what the design manual is, who should use it and how.

**Ref: NMP: CP-TP 228839-2 EuroPIC**

- *The role of Photonics Clusters (Netherlands) in matchmaking between designers, manufacturers and users of PICs.*  
*Mr. Guus Taminiau, Photonic Cluster Netherlands*

Guus gave a general introduction to Photonics Cluster Netherlands and the role of PCN in stimulating collaboration between SMEs through national initiatives. PCN is in a good position to support local users in the future.

- *Expansion of Photonic Integration activities: The concept of a 'Photonics Laboratories' initiative.*  
*Mr. Pim Kat- Technobis Group bv, the Netherlands.*

Pim addressed the question of how one expands the user group beyond 10s of partners to a few 100s and beyond. It is recognised that many potential users are too small and without the necessary skills base to exploit the generic fab properly. Drawing on his experience in micro-electronics (DevLab) Pim together with Mar van der Hoek have put forward the idea of *Photonics Laboratories Consortia* comprising SMEs with similar applications requirements i.e. in structural health monitoring.

- *Open discussion session*
- *Close of meeting*

However, the main purpose of the evening was to provide a venue for informal discussion of the generic fab concept in InP PICs and to allow for consortium members and users to get to know each other better. At the end of the presentation, attendees were also invited to discuss the option of becoming a User Group Member (if they were not already).

The talks will be made available via the EuroPIC public website.