

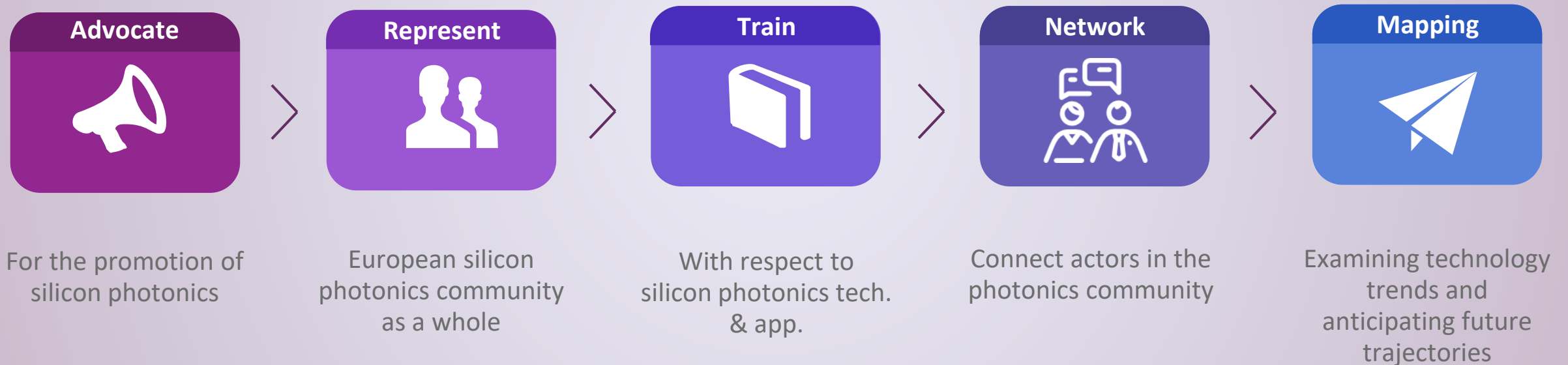


Mattias Verstuyft  
Director of ePIXfab  
Lecturer at Ghent University

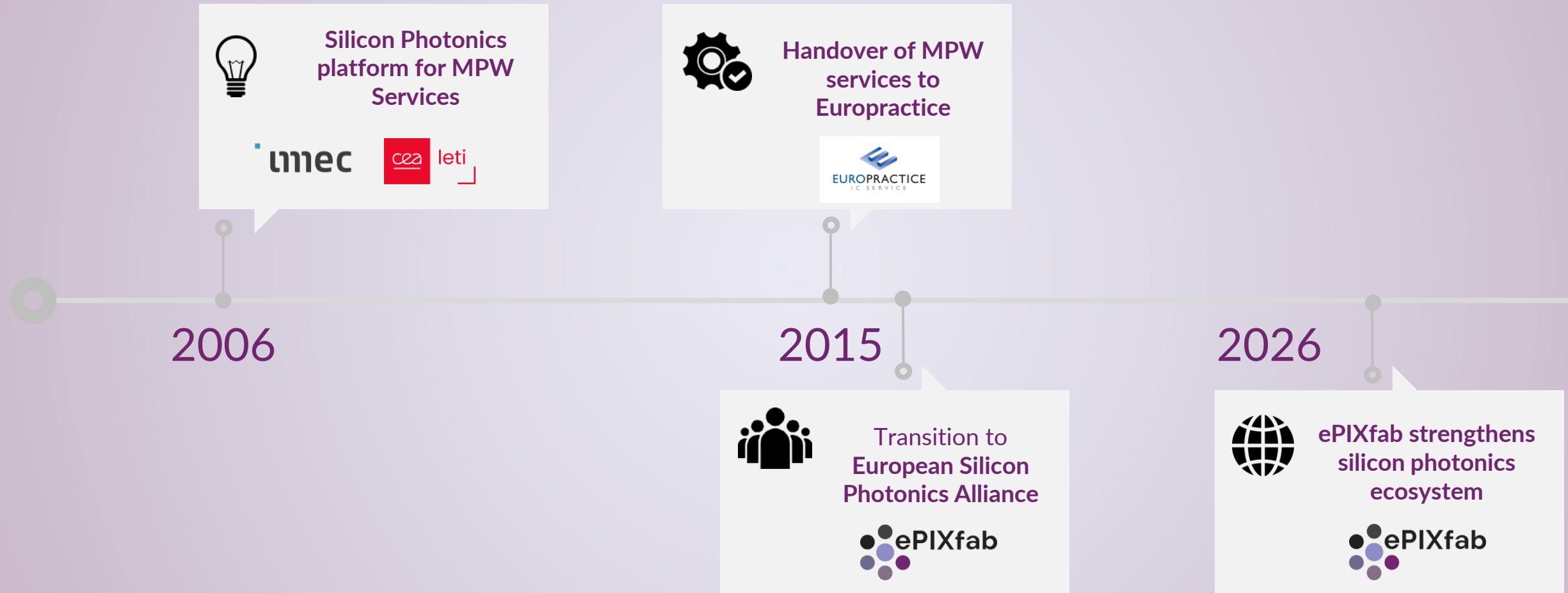
# About ePIXfab

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**ePIXfab acts as a catalyst for European academia and industry to strengthen the worldwide silicon photonics ecosystem.**



# ePIXfab timeline: from MPW technology broker to an open alliance

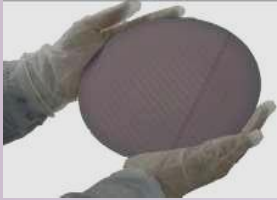
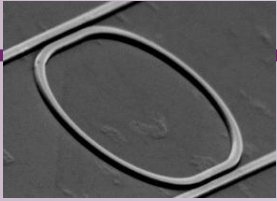


# ePIXfab members





# Photonics Research Group



- Research Group of Ghent University
  - Faculty of Engineering and Architecture
  - Department of Information Technology (INTEC)
  - Associated laboratory of IMEC
  - Member of the Center for Nano- & Biophotonics (NB photonics)
- Technology Research
  - Photonic Integrated Circuits: light on a chip
  - On silicon: “Silicon Photonics”
  - Enhanced with new materials: III-V, ferro-electrics, graphene, ...
- Applications
  - High-speed telecom and datacom
  - Sensing for life sciences: visible and Mid-IR
  - Optical information processing

12 Professors

23 postdocs

70 PhD students

14 support staff

20+ nationalities

7 ERC grants

7 spin-off companies

50 journal papers/year

Class 100 clean rooms

M.Sc. Photonics program

Advanced Master Photonics program



# The ePIXfab team



**Chair Emeritus  
Roel Baets**



**Chair  
Wim Bogaerts**



**Director  
Mattias Verstuyft**



**Technical Coordinator  
Sarah Masaad**



**Marketing &  
Communication  
Officer – Mingjie Li**



**Technical Coordinator  
Antonietta Parracino**



**Asia Liaison  
Officer  
William Chen**

# The ePIXfab Steering Board



**Dr. Timo Aalto**



**Dr. Iñigo Artundo**



**Dr. Sylvie Menezo**



**Prof. José Capmany**



**Dr. Arne Leinse**



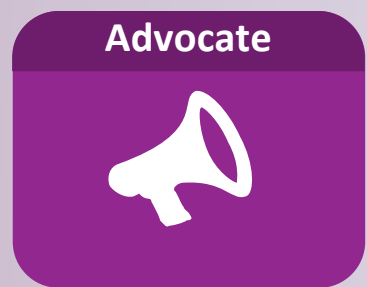
**Prof. Martijn Heck**



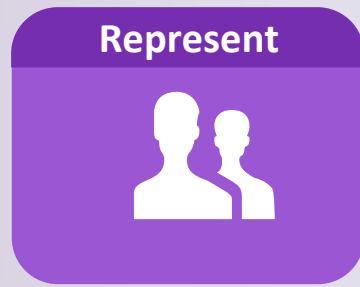
# ePIXfab's activities

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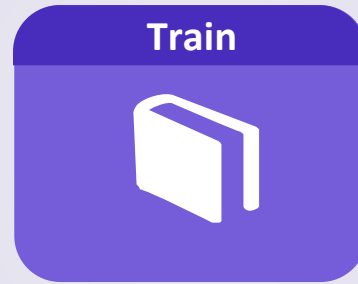
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Latest advancements  
in the field of silicon  
photonics



European silicon  
photonics community  
as a whole



With respect to  
silicon photonics tech.  
& app.



Connect actors in the  
photonics community



Examining technology  
trends and  
anticipating future  
trajectories



# Silicon photonics summer school

5- days | 120 Participants | Onsite

Ghent, June 2025

- Lectures from experts in the field
- Starting from the basics
  - Technologies
  - Building blocks
  - Design & Simulation
  - Packaging
  - Applications



# Asia-Europe Symposium and Short Course

3 days | 100 Participants

- 2 day short course in Silicon Photonics
- 1 day symposium

2023: Hangzhou (Zhejiang University)  
2024: Hong Kong (Chinese University)  
2025: Singapore (A\*Star-IME)  
2026: Bangalore





# Photonhub Europe experience centers

## 3- days | 10 Participants | Onsite

- Quick start with photonic chips
  - Make a simple chip design
  - Fabricate it with e-beam
  - Measure your own chip

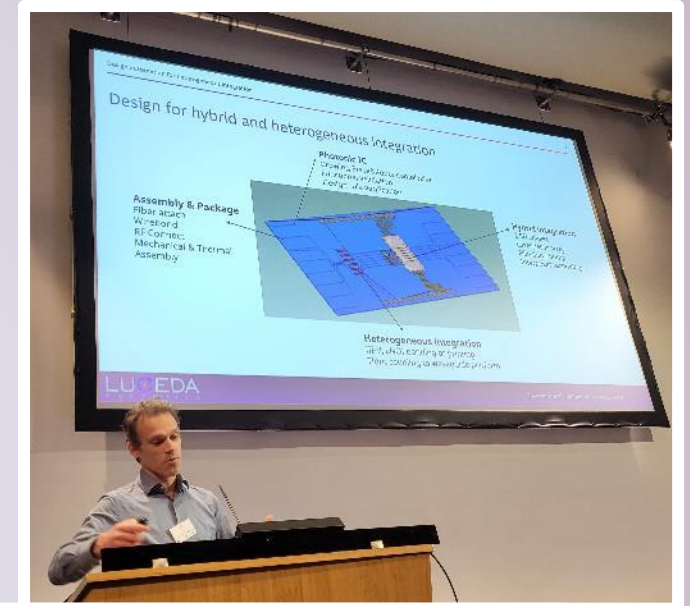
A full hands-on experience.



# Cross-fertilization workshops between EU projects

2 days | 100+ Participants | On-Site + streaming

- Bring multiple projects together around a single theme
  - Identify strengths, mutual interests and opportunities for collaboration
  - Collocate with project meetings
- 
- April 2024 (Thales – Paris): Heterogeneous integration
  - February 2025 (Ljubljana): Photonics for Quantum
  - Now: June 2026 (Ghent): High-speed optical modulators





# Hands-on design course in silicon photonics

5 days | 20 Participants | On-site

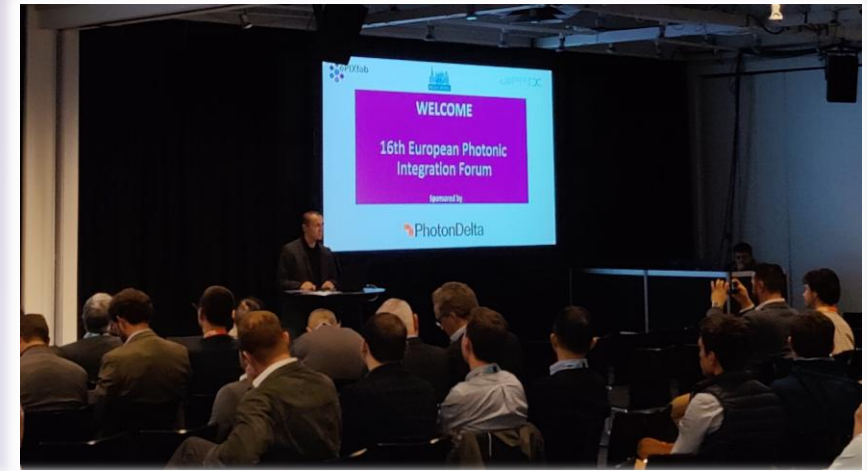
- Very intensive course
- From SiPh basics to designing your own chip
- Lectures + hands-on design labs using Jupyter notebooks
- Opportunity to have your design fabricated (passive chip with e-beam)



# European Photonic Integration Forum

2 hours | 100 Participants | at ECOC

- Organized together with JePPIX & PhotonDelta
- Interviewing two key guests
- Discussion around a hot topic for PICs



Join us in 2026 in Malaga

# Contact us for further information

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[info@ePIXfab.eu](mailto:info@ePIXfab.eu)