



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

PHOTONICS<sup>21</sup>



## Photonics in Switching and Computing

19 - 21 September, 2018

**Cross-Pollination EU project meeting**

**Cluster A - Photonics21 projects focusing on datacoms for DCI & HPC**

organized by H2020 DIMENSION project ([www.dimension-h2020.eu](http://www.dimension-h2020.eu), grant 688003)

18 September 2018

St. Raphael Resort, 502 Amathountos Avenue, Pyrgos 4520, Cyprus

Meeting Room: Megaron B

### Objectives:

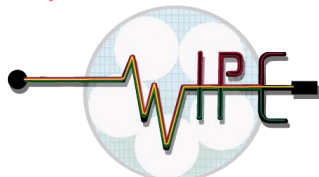
- To introduce and give an overview of the projects in the field
- To highlight the advances in optical data communication technologies for data center interconnects and high performance computing
- To foster collaboration between the involved projects and identify common goals, approaches and joint activities

### Committee/Projects:

- Ronny Henker, Technische Universität Dresden, DIMENSION
- Jean-Pierre Locquet, KU Leuven, PHRESCO
- Theonitsa Alexoudi, Aristotle University of Thessaloniki, ICT-STREAMS
- J.J.G.M. van der Tol, TU Eindhoven, WIPE
- Bert Offrein, IBM Research - Zurich, L3MATRIX

### Duration:

- ~8 h in total (including breaks and lunch); 1 h / project (incl. 15 min discussion)





### Tentative Schedule

9:00 AM	9:15 AM	Welcome and Introduction
9:15 AM	10:15 AM	DIMENSION – Directly Modulated Lasers on Silicon
10:15 AM	11:15 AM	PHRESCO - Photonic Reservoir Computing
11:15 AM	11:30 AM	Break
11:30 AM	12:30 PM	ICT-STREAMS - Silicon Photonics Transceiver and Routing technologies for High-End Multi-Socket Server Blades with Tb/s Throughput interconnect interfaces
12:30 PM	1:30 PM	WIPE - Wafer scale Integration of Photonics and Electronics
1:30 PM	2:30 PM	Lunch
2:30 PM	3:30 PM	L3MATRIX - Large Scale Silicon Photonics Matrix for Low Power and Low Cost Data Centers
3:30 PM	4:30 PM	Discussion on synergies and joint activities
4:30 PM	4:45 PM	Wrap-up and meeting end