

|                              | 20 June 2021 (Monday)   | 21 June 2021 (Tuesday)  | 22 June 2021 (Wednesday)  | 23 June 2021 (Thursday)  | 24 June 2021 (Friday)  |  |
|------------------------------|---|---|---|--|--|--|
| Chaired by: Prof. Roel Baets | <p>9:00 AM - 9:15 AM<br/>(15 min.)<br/><b>Welcome</b><br/>Dr. Laurent Vivien (CNRS, Univ. Paris Saclay, C2N) and Prof. Roel Baets (ePIXfab)</p> <p>9:15 AM - 10:00 AM<br/>(45 min.)<br/><b>Introduction to silicon photonics</b><br/>Prof. Roel Baets (Ghent University - imec)</p> <p>10:00 AM - 10:45 AM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>10:45 AM - 12:15 PM<br/>(90 min.)<br/><b>Passive components in Silicon Photonics</b><br/>Prof. Andrea Melloni (Politecnico di Milano)</p> | <p>09:00 - 10:00 AM<br/>(60 min.)<br/><b>Advanced technology developments in silicon photonics platforms</b><br/>Dr. Bertrand Szlag (CEA-LETI)</p> <p>10:00 AM - 10:45 AM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>10:45 AM - 11:45 AM<br/>(60 min.)<br/><b>Sensing for life science applications</b><br/>Mr. Augustinas Vizbaras (BROLIS Sensors)</p> <p>11:45 AM - 12:45 PM<br/>(60 min.)<br/><b>Microwave Photonics &amp; Photonics for 5G/6G Networks</b><br/>Prof. Antonella Bogoni (Sant'Anna School of Advanced Studies)</p> | <p>09:00 - 10:00 AM<br/>(60 min.)<br/><b>Mid-IR silicon photonics</b><br/>Prof. Delphine Marris-Morini (CNRS, Univ. Paris-Sud, Univ. Paris Saclay)</p> <p>10:00 AM - 10:45 AM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>10:45 AM - 11:45 AM<br/>(60 min.)<br/><b>Mems Photonics</b><br/>Prof. Kristinn Gylfason (KTH)</p> <p>11:45 AM - 12:45 PM<br/>(60 min.)<br/><b>Design Methodologies in Silicon Photonics</b><br/>Dr. Ronald Broeke (Bright Photonics)</p>                 | <p>09:00 AM - 10:00 AM<br/>(60 min.)<br/><b>High-speed transceivers in silicon photonics</b><br/>Prof. Peter Ossieur (Ghent University - imec)</p> <p>10:00 AM - 10:30 AM<br/>(30 min.)<br/><b>Coffee Break</b></p> <p>10:30 AM - 11:30 AM<br/>(60 min.)<br/><b>Optimization for silicon photonics design (ML and other approaches)</b><br/>Dr. Daniele Melati (CNRS, Univ. Paris Saclay, C2N)</p> <p>11:30 AM - 12:30 PM<br/>(60 min.)<br/><b>Sub-wavelength silicon photonics</b><br/>Prof. Robert Halir (Malaga University)</p> | <p>09:00 AM - 10:00 AM<br/>(60 min.)<br/><b>Applications enabled by laser integration in SiPH</b><br/>Mr. Yannick Paillard (SCINTIL Photonics)</p> <p>10:00 AM - 10:45 AM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>10:45 AM - 11:45 AM<br/>(60 min.)<br/><b>Silicon Photonics value system</b><br/>Dr. Abdul Rahim (ePIXfab - Ghent University)</p> <p>11:45 AM - 12:45 PM<br/>(60 min.)<br/><b>Scale-up routes for manufacturing of silicon nitride photonics ICs</b><br/>Dr. Michael Zervas (LIGENTEC)</p> |  |
|                              |   | <p>12:15 PM - 1:45 PM<br/>(90 min.)<br/><b>Lunch Break and C2N Lab visits</b></p>   | <p>12:45 - 2:15 PM<br/>(90 min.)<br/><b>Lunch Break and C2N Lab visits</b></p>  | <p>12:45 - 2:15 PM<br/>(90 min.)<br/><b>Lunch Break and C2N Lab visits</b></p>   | <p>12:30 - 1:30 PM<br/>(60 min.)<br/><b>Lunch Break</b></p>  | <p>12:45 - 2:15 PM<br/>(90 min.)<br/><b>Lunch Break</b></p>  |
|                              | Chaired by: Dr. Laurent Vivien  | <p>1:45 PM - 2:45 PM<br/>(60 min.)<br/><b>High-speed modulators and detectors (Part 1)</b><br/>Dr. Laurent Vivien (CNRS, Univ. Paris Saclay, C2N)</p> <p>2:45 PM - 3:30 PM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>3:30 PM - 4:30 PM<br/>(60 min.)<br/><b>High-speed modulators and detectors (Part 2)</b><br/>Dr. Laurent Vivien (CNRS, Univ. Paris Saclay, C2N)</p> <p>4:30 PM - 5:30 PM<br/>(60 min.)<br/><b>Laser integration in Silicon Photonics</b><br/>Prof. Gunther Roelkens (Ghent University - imec)</p>                | <p>2:15 PM - 3:15 PM<br/>(60 min.)<br/><b>Non-linear silicon photonics and frequency combs in silicon photonics</b><br/>Prof. Bart Kuyken (Ghent University - imec)</p> <p>3:15 PM - 4:00 PM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>4:00 PM - 5:00 PM<br/>(60 min.)<br/><b>Telecom-compatible, affordable &amp; scalable quantum technologies based on SiPH</b><br/>Prof. Roberto Morandotti (INRS)</p> <p>5:10 PM - 7:00 PM<br/>(110 min.)<br/><b>Poster Session (A)</b></p> | <p>2:15 PM - 3:15 PM<br/>(60 min.)<br/><b>Neuromorphic optical systems or more general AI in integrated optics</b><br/>Dr. Bert Offrein (IBM)</p> <p>3:15 PM - 4:00 PM<br/>(45 min.)<br/><b>Coffee Break</b></p> <p>4:00 PM - 5:00 PM<br/>(60 min.)<br/><b>Methodology and Silicon Photonics markets &amp; applications</b><br/>Dr. Eric Mounier (Yole Development)</p> <p>5:10 PM - 7:00 PM<br/>(110 min.)<br/><b>Poster Session (B)</b></p>  | <p>1:30 PM - 3:00 PM<br/>(90 min.)<br/><b>Silicon photonics enabled LIDAR</b><br/>Dr. Jonathan Doyle (Intel)</p> <p>3:00 PM - 3:30 PM<br/>(30 min.)<br/><b>Coffee Break</b></p> <p>3:30 PM - 4:30 PM<br/>(60 min.)<br/><b>Programmable Photonics</b><br/>Prof. Wim Bogaerts (Ghent University - imec)</p> <p>4:30 PM - 4:50 PM<br/>(20 min.)<br/><b>Speical talk by H el ne Debr geas Almae Technologies</b></p>   | <p>2:15 PM - 3:15 PM<br/>(60 min.)<br/><b>A future perspective on evolution of Silicon Photonics and wrap-up of school</b><br/>Dr. Frederic Boeuf (STMicroelectronics)</p> <p>3:15 PM - 3:30 PM<br/>(15 min.)<br/><b>Certificate of attendance and best poster award</b></p> |
|                              |   |   |   | <p>5:30 PM - Transportation to the Gala Dinner<br/>7:30 PM - 11:30 PM - Gala Dinner</p>  |  |  |
|                              |   | <p>6:00 PM - 7:30 PM<br/>(120 min.)<br/><b>Welcome Party + Group Photo</b></p>  |   |  |  |  |