



PROGRAM FOR THE 6th ePIXfab SILICON PHOTONICS SUMMER SCHOOL (14-18 JUNE 2021)

<i>Time (CEST)</i>	<i>14 June 2021 Monday</i>	<i>15 June 2021 Tuesday</i>	<i>16 June 2021 Wednesday</i>	<i>17 June 2021 Thursday</i>	<i>18 June 2021 Friday</i>
9:00 AM	<p>Welcome to the school + Introduction to silicon photonics ePIXfab Chair: Prof. Roel Baets Ghent University- imec, Belgium</p>	<p>Integrated Microwave Photonics Prof. David Marpaung University of Twente, the Netherlands</p>	<p>Programmable Photonics Prof. Wim Bogaerts Ghent University - imec, Belgium</p>	<p>Open-access silicon photonics ecosystem Dr. Abdul Rahim ePIXfab - Ghent University</p>	<p>The crossroads of III-V and silicon photonics Prof. Martijn Heck Eindhoven University of Technology, the Netherlands</p>
10:30 AM	Break	Break	Break	Break	Break
11:00 AM	<p>Debriefing: Passive silicon photonics: from basics to circuits Prof. Andrea Melloni Politecnico di Milano, Italy</p>	<p>Silicon photonics ultrasound detection Dr. Xavier Rottenberg imec, Belgium</p>	<p>Ultrafast photonic convolution processing Prof. Wolfram Pernice University of Münster, Germany</p>	<p>Silicon photonics for optical computing Dr. Thomas Van Vaerenbergh Hewlett Packard Enterprise, Belgium</p>	<p>Sensors in Silicon Photonics Prof. Roel Baets Ghent University- imec, Belgium</p>
11:45 AM	<p>Debriefing: Laser integration in silicon photonics Prof. Gunther Roelkens Ghent University - imec, Belgium</p>				
12:30 PM	Break	Break	Break	Break	
1:30 PM	<p>Debriefing: High-speed modulators and detectors in silicon photonics Prof. Laurent Vivien C2N, CNRS, Univ. Paris-Sud, Univ. Paris Saclay, France</p>	<p>Machine learning and algorithm assisted design in silicon photonics Prof. Dan-Xia Xu National Research Council, Canada</p>	<p>Silicon quantum photonics Prof. Josh Silverstone University of Bristol, United Kingdom</p>	<p>AIM Photonics Institute, AIM Academy and materials for waveguide integrated mid-infrared detectors Dr. Anu Agarwal Massachusetts Institute of Technology, USA</p>	
3:00 PM	Break	Break	Break	Break	
3:30 PM	<p>Debriefing: Heterogeneous Integration for high-speed modulators in silicon photonics Prof. Dries Van Thourhout Ghent University-imec, Belgium</p>	<p>Emerging applications of silicon photonics Dr. Aaron Zilkie Rockley Photonics, USA</p>	<p>Silicon photonics frequency combs and their applications Prof. Alex Gaeta Columbia University, USA</p>	<p>Meet the leaders Multiple speakers with a parallel sessions</p>	
4:15 PM	Meet and Greet				