8th ePIXfab Silicon Photonics Summer School
Ghent University | July 3-7, 2023
DETAILED PROGRAM (PROVISIONAL -SUBJECT TO CHANGES)

3 July 2023 (Monday)	*4 July 2023 (Tuesday)*	*5 July 2023 (Wednesday)*	*6 July 2023 (Thursday)*	*7 July 2023 (Friday) | Joint program with 5th Asia-Europe silicon photonics sympoiusm*
9:00 AM - 9:15 AM (15 min.) **Welcome and housekeeping** School organizing committee	09:00 - 10:00 AM (60 min.) **Programmable integrated photonics** Prof. Jose Capmany Universidad Politécnica de Valencia, Spain	09:00 - 10:00 AM (60 min.) **Plasmonics – An Enabling Technology for Ultra-Fast Communications** Prof. Juerg Leuthold ETH Zurich, Switzerland	09:00 AM - 10:00 AM (60 min.) **Processing light with sound in integrated photonics** Prof. Raphael van Laer Chalmers University of Technology, Sweden	09:00 AM - 9:45 AM (45 min.) **Silicon photonic foundries: perspectives from the providers and the perspectives from the users** Dr. Patrick Lo Guo Qiang Advanced Micro Foundry, Singapore
9:15 AM - 10:00 AM (45 min.) **Introduction to silicon photonics** Prof. Roel Baets Ghent University - imec	10:00 AM - 10:45 AM (45 min.) **Coffee Break**	10:00 AM - 10:45 AM (45 min.) **Coffee Break**	10:00 AM - 10:30 AM (30 min.) **Coffee Break**	9:45 AM - 10:30 AM (45 min.) **Monolithic photonic-electronic co-integration** Prof. Lars Zimmermann IHP, Germany
10:00 AM - 10:45 AM (45 min.) **Coffee Break**	10:45 AM - 11:45 AM (60 min.) **Photonic Integration based on Lithium-Niobate-On-Insulator** Prof. Liu Liu Zhejiang University, China	10:45 AM - 11:45 AM (60 min.) **Electronic-photonic co-design /co-assembly for high-speed transceivers** Prof. Peter Ossieur Ghent University - imec, Belgium	10:30 AM - 11:30 AM (60 min.) **Mid-IR silicon photonics** Dr. Milos Nedeljkovic University of Southampton, United Kingdom	10:30 AM - 11:00 AM (30 min.) **Coffee Break**
10:45 AM - 12:15 PM (90 min.) **Passive components in silicon photonics** Prof. Dries Van Thourhout Ghent University-imec, Belgium	11:45 AM - 12:45 PM (60 min.) **Integration of lasers in silicon photonics** Prof. Gunther Roelkens Ghent University - imec (Belgium)	11:45 AM - 12:45 PM (60 min.) **Design, Manufacturing, and Packaging of Silicon Photonic Devices** Dr. Padraic Morrissey Tyndall National Institute, Ireland	11:30 AM - 12:30 PM (60 min.) **Dialogue between participants and experts** Moderated session	11:00 AM - 11:45 PM (45 min.) **Quantum silicon photonics** Dr. Christian Haffner imec, Belgium
12:15 PM - 1:45 PM (90 min.) **Lunch Break**	12:45 - 2:15 PM (90 min.) **Lunch Break**	12:45 - 2:15 PM (90 min.) **Lunch Break**	12:30 - 1:30 PM (60 min.) **Lunch Break**	11:45 AM - 12:30 PM (45 min.) **Future trends of silicon photonics** Prof. Roel Baets Ghent University-imec, ePIXfab, Belgium
1:45 PM - 2:45 PM (60 min.) **High-speed modulators in silicon photonics** Dr. Laurent Vivien C2N, Paris-Saclay University, France	2:15 PM - 3:15 PM (60 min.) **Silicon photonics LIDAR** Marcus Dahlem imec, Belgium	2:15 PM - 3:15 PM (60 min.) **Silicon and silicon nitride photonics innovation from academic labs** Prof. Shankar Kumar Selvaraja Indian Institute of Science, India	1:30 PM - 3:00 PM (90 min.) **The new multimode optics - self-configuring circuits and fundamental limits for photonic structures** Prof. David Miller Stanford University, U.S.A	12:30 PM - 2:00 PM (90 min.) **Lunch Break**
2:45 PM - 3:30 PM (45 min.) **Coffee Break**	3:15 PM - 4:00 PM (45 min.) **Coffee Break**	3:15 PM - 4:00 PM (45 min.) **Coffee Break**	3:00 PM - 3:30 PM (30 min.) **Coffee Break**	
3:30 PM - 4:30 PM (60 min.) **High-speed detectors in silicon photonics** Dr. Laurent Vivien C2N, Paris-Saclay University, France	4:00 PM - 5:00 PM (60 min.) **Silicon photonics for AI, and AI for silicon photonics - the good, the bad and the ugly.** Dr. Thomas Van Vaerenbergh Hewlett Packard Enterprise, Belgium	4:00 PM - 5:00 PM (60 min.) **Bio-sensors in silicon photonics** Dr. Diedrik Vermeulen Siphox, U.S.A	3:30 PM - 5:00 PM (90 min.) **Silicon nitride integrated photonics** Prof. Victor Torres Company Chalmers University of Technology, Sweden	
4:30 PM - 5:30 PM (60 min.) **Silicon photonics design methodologies** Prof. Wim Bogaerts Ghent University - imec, Belgium	5:10 PM - 7:00 PM (110 min.) **Poster Session I**	5:10 PM - 7:00 PM (110 min.) **Poster Session II**	5:00 PM - 6:00 PM (60 min.) **Sponsored talks and lab visits of Photonics Research Group**	
6:00 PM -7:30 PM (120 min.) **Boat Trip + Group Photo**			7:30 PM - onwards **School Dinner**	