

4th ePIXfab Silicon Photonics Summer School at Sant' Anna School of Advanced Studies

FINAL PROGRAM

Time	Mon, 1 July	Tue, 2 July	Wed, 3 July	Thur, 4 July	Fri, 5 July	
0800-0900	Registration					
0900-0930	Introduction M. Romagnoli					
0930 - 1030	Passive Silicon Photonics A. Melloni	Nonlinear optics: moving from fiber to integrated approaches C. Bres	Integrated linear&nonlinear photonics for ultra-high capacity communications L. Oxenlowe	Advanced Packaging for SiPh G. Preve	Biosensors in SiPh L. Lechuga	
COFFEE BREAK						
1100 - 1200	Si Photonics Modulators L Vivien	Photonic Wirebonds C. Koos	SiPh for Sensor applications R. Baets	Heterogeneous Integration for nonlinear optics M. Sorel	Quantum applications of SiPh L. Pavesi	
1200 -1300	Si Photonics Detectors L. Vivien	Integrated Brillouin photonics B. Eggleton	Thick SOI platforms M. Cherchi	Control systems for SiPh chips F. Morichetti	Silicon Single photon detectors A. Gulinatti	
LUNCH						
1400 - 1500	Lasers in Silicon Photonics (Wafer Bonding) B. Szlag	Plasmonics and Silicon photonics J. Leuthold	Transceiver EICs J. Bauwelinck	Photonics switching using silicon photonics F. Testa		
1500 -1600	Sources –transfer printing G. Roelkens	Transceivers System architecture and modulation formats J. Witzens	Graphene integrated photonics M. Romagnoli	LIDAR J. Bourderionnet		
COFFEE BREAK						
1630 - 1730	Lasers in Silicon Photonics (Direct Epitaxy) Chen Siming	Transceiver in silicon PICs J. Witzens	Mid-IR Silicon Photonics M. Nedeljkovic	Lab visit		
1730-1800	ePIXfab+open-access SiPh	EPIC Presentation		Poster session		
1800	City Tour	Evening at your own	Gala Dinner			

The program is final but may change due to some practical constraints