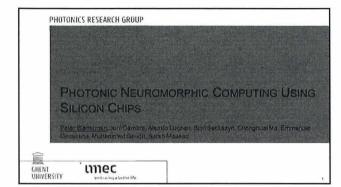
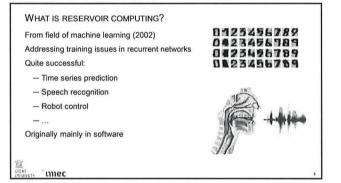
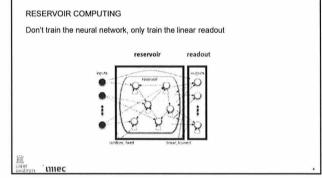
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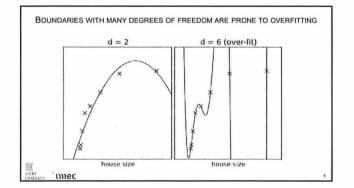
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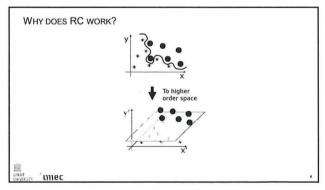


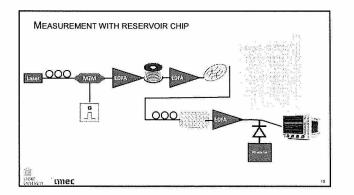
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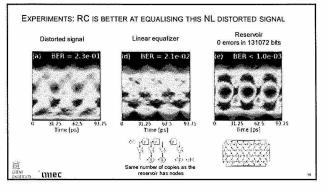


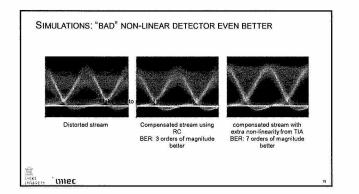


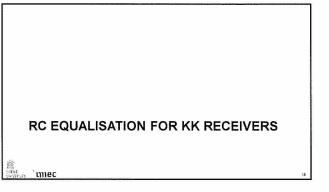


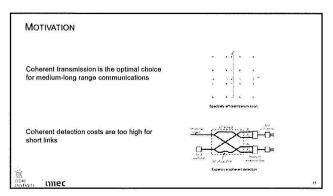


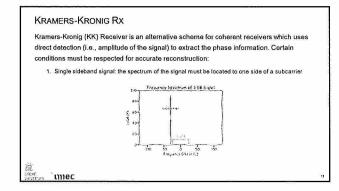


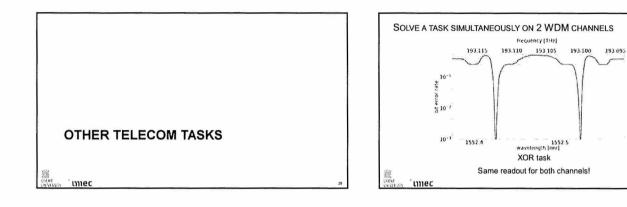


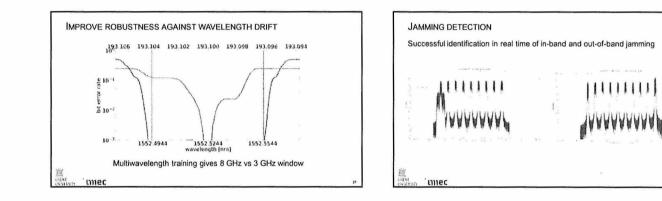


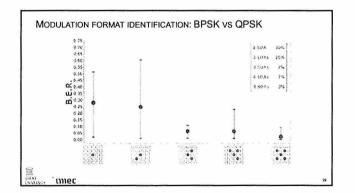


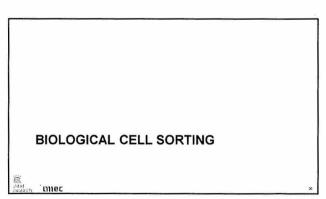






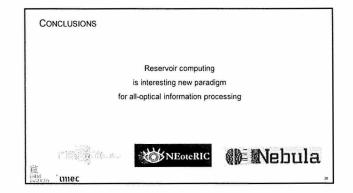






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NEXT STEPS: EXPERIMENTS WITH AN EVENT CAMERA	
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	Invited Speakers
	Stephen Furber, University of Manchester, United Kingdom
	Neuromorphic Computing Plenary
	Hong Liu, Google LLC, United States
	The Evolving Role of Optics in the Hyperscale Data Centers Plenary
	 Masaya Notomi, Tokyo Institute of Technology, Japan
	Attojoule Nanophotonics Towards Optoelectronic Accelerators Plenary
	Stefan Abel, Lumiphase, Switzerland
	Pockels-enhanced Ultra-efficient Silicon Photonics Keynote
	Juan Miguel Arrazola, Xanadu Quantum Computing, Canada
	Photonic Quantum Computing at Xanadu Keynote
	Furnio Koyama, Tokyo Institute of Technology, Japan
	Transverse Coupled Cavity VCSEL Array for CPO Applications Keynote
	Nicholas New, Optalysys Ltd., United Kingdom
	The Dawn of Energy Efficient Computing: Optically Accelerating the Fast Fourier Transform Core Keynote
	Bhavin Shastri, Queen's University at Kingston, Canada
	Photonics for Artificial Intelligence and Neuromorphic Computing Keynote
	Volker Sorger, George Washington University, United States
	Photonic Machine Intelligence Hardware: From Photonic Memory and Photonic TPU to Optical CNN Keynote
	Nicola Andriolli, Consiglio Nazionale delle Ricerche. Italy
	Photonic Integrated Neural Network Accelerators
	Piotr Antonik, CentraleSupélec, France
	Human Action Recognition with Photonic Reservoir Computing
	 Farshid Ashtiani, University of Pennsylvania, United States
	Photonic-electronic Co-design: From Optical Phase Control to Signal Processing
	 Keren Bergman, Columbia University, United States
	Energy Efficient Multi-terabit Photonic Connectivity for Disaggregated Computing
	 Peter Bienstman, Ghent University, INTEC, Belgium
	Reservoir Computing for High-speed Photonic Information Processing
	 Adonis Bogris, University of West Attica, Greece
	Neuromorphic Integrated Photonics as Hardware Accelerators for Ultra-high Speed Telecom and Imaging Applications
	Hugo Cable, PsiQuantum, United States
	Switch Networks for Photonic Fusion-based Quantum Computing
	 Zizheng Cao, Technische Universiteit Eindhoven, Netherlands
	Non-line-of-sight Beam-steerable Infrared Wireless Communication
	 Jose Capmany, Universitat Politècnica de València, Spain
	Integrated Photonic Analog Computing: Principles and Technologies
	Haoshuo Chen, Nokia Beli Labs, United States
	Phase Retrieval Receiver for Optical Coherent Communications
	Xi Chen, Nokia Bell Labs, United States
	High Capacity Short-reach Systems
	 Qixiang Cheng, University of Cambridge, United Kingdom

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Research topics include optical computing, photonic neuromorphic computing, optical switching technologies for dense integration of photonic and electronic functionalities operating side-by-side; various aspects of photonics in computing systems such as photonics for AI and quantum photonics; optical subsystem technologies and architectures for SG networks and beyond, and inter- and intra-datacenter interconnects; and optical networking and computing architectures including short-reach optical interconnects, optical packet/burst switching routers, rapidly reconfigurable networks, and next-generation protocols and architectures.

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