

Neuromorphic computing and hardware - Gothenburg - Stockholm joint workshop 2018DAY 1 Monday October 29

	Title
12:00	LUNCH
13:00	Welcome
	SESSION 1 Moderator: Anna Delin
13:05	Nasim Farahini Qamcom Emerging trends in digital neuromorphic hardware systems
13:50	Anders Lansner Stockholm University and KTH Brain-like architecture and computation
14:35	Themis Prodromakis Uni Southampton Harnessing the power of the brain with metal-oxide memristors
15:20	FIKA
	SESSION 2 Moderator: Nasim Farahini
15:50	Jörg Conradt KTH Neuromorphic hardware for real-time robotics
16:35	Sebastian Schmitt Uni Heidelberg Mixed-signal Neuromorphic Computing - the BrainScaleS Projects
17:20	Simone Borlenghi KTH Reservoir computing with networks of nonlinear oscillators
18:05	Sebastian Höppner TU Dresden SpiNNaker2 - Energy Efficient Neuromorphic Computing in 22nm FDSOI CMOS
19:30	DINNER

DAY 2 Tuesday October 30

	SESSION 3 Moderator: Johan Åkerman
09:00	Irem Boybat IBM Zürich Memristive synapses for neuromorphic computing
09:45	Ahmed Hemani KTH Silicon Lego Bricks as the basis for efficient design of custom Neuromorphic Hardware
10:30	FIKA
	SESSION 4 Moderator: Anders Lansner
11:00	Damien Querlioz CNRS Bioinspired Computing Leveraging the Physics of Magnetic Nano-Oscillators
11:45	Johan Åkerman KTH Mutually synchronized arrays of spin Hall nano-oscillators for neuromorphic computing
12:30	LUNCH
13:30	End-of-meeting