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		Date: Nov 3-7, 2025	location: RISE KTH at "Innoversum" room	organisers: ENCCS, NCC Denmark, NCC Lithuania	
	Monday 3rd	Tuesday 4th	Wednesday 5th	Thursday 6th	Friday 7th
9:00-10:00	arrival and coffee 8:30-9:15  Welcome! ENCCS & QAS2025 Introduction  Karim Elgammal (ENCCS/RISE, SE)  Introduction to MIMER Al Factory	Introduction to variational quantum algorithms: VQE, QAOA and beyond (QPE,, SQD)	Variational Algorithms; Designing use cases for near term quantum algorithms	Scaling up ion trap quantum computers and quantum technologies; the case of lonQ	Quantum Neural Networks  Stefano Markidis
	Thor Wikfeldt (MIMER/RISE, SE)	Juan de Gracia Triviño (ENCCS/RISE, SE)	Panagiotis Barkoutsos (IonQ)	Panagiotis Barkoutsos (lonQ)	(KTH, SE)
)-11:00	Introduction to the European Hybrid classical/quantum HPC+AI+QC ecosystem. LUMI-Q Quantum Flagship  10:00-10:40	interactive tutorial: experiments with quantum gates, circuits and algorithms (qrisp simulation)	Controlling a quantum computer using pulses  Stefan Seegerer	Atomistic simulations on quantum accelerated supercomputing  10:00-10:40  Karim Elgammal, Marc Maußner	hands-on QNNs using pennylane/classification (tutorial)  Stefano Markidis
10:00	(CSC, FI)	(ENCCS/RISE, SE)	(IQM)	(infoteam, DE)	(KTH, SE))
	coffee break 10:40-11:00	coffee break 10:40-11:00	coffee break 10:40-11:00	coffee break 10:40-11:00	coffee break 10:40-11:00
11:00-12:00	Overview of the HPC/QC software stack, from ready-made Q-libraries for common tasks to circuit level assembly and	Opportunities for extending quantum computing through subspace, embedding and classical molecular dynamics techniques	LUMI-Q/VLQ presentation  Miroslav Dobsicek	Accelerated Quantum Supercomputing using NVIDIA CUDA-Q	Quantum Reservoir computing
	Miroslav Dobsicek	Thomas M. Bickley (UCL, UK)		Esperanza Cuenca-Gómez (NVIDIA)	Ruben Pariente Bassa (SINTEF, NO)
12:00-13:00	Lunch	Lunch	Lunch	Lunch	Lunch
0-14:00	Quantum gates, circuits and algorithms	Getting started with algorithm development on actual quantum hardware using IQM Resonance	How to use quantum computers for biomolecular free energies	Quantum error-correction (QEC)	closing
13:0	Juan de Gracia Triviño (ENCCS/RISE, SE)	Stefan Seegerer (IQM)	Matthias Christandl (København U, DK)	Mats Granath (Göteborg University)	The end
00-15:00	Quantum gates and circuits	Developing quantum algorithms with qrisp, the next generation of quantum algorithm development	Pre-panel discussion  Göran Wendin (RISE, SE)	Quantum kernel estimation with application to disability insurance	
14:	(MC2, Chalmers, WACQT, SE)	Stefan Seegerer (IQM)	coffee break	Björn Löfdahl (SEB)	
15:00-15:30	coffee break	coffee break	Towards 2045: Do we still only talk about Quantum superiority?	coffee break	
0-16:30	Quantum Information Theory introduction, building quantum algorithm, QFT,	QAOA - theory	Panel discussion Göran Wendin (RISE, SE)	interactive tutorial: Quantum error-correction (QEC) hands-on	
15:30	Stefano Markidis (KTH, SE)	Ruben Pariente Bassa (SINTEF, NO)		Moritz Lange (Göteborg University)	
16:30-17:30	From qubits 2000 to Nobel Prize 2025		PechaKucha presentations	interactive tutorial: Quantum kernel estimation with application to disability insurance	
	Göran Wendin (RISE, SE)			Björn Löfdahl (SEB)	
18:00-20:00	Reception, mingling		Buffé dinner		
	-20:00       16:30-17:30       15:30-16:30       14:00-15:00       12:00-13:00       17:00-12:00       9:00-10:0	Welcome!   ENCES & QAS 2025 Introduction   Karim Elgammal (ENCES, RISE, SE)	Monday 3rd    Introduction to Wedenment   Introduction to varietional quantum algorithms: Vote, QAOA and beyond (QPF,, SQD)   Introduction to the European Hybrid classical/quantum Flagation (CSC, Files, SE)   Introduction to the European Hybrid classical/quantum Flagation (CSC, Files, SE)   Introduction to the European Hybrid classical/quantum Flagation (CSC, Files, SE)   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviate unantum gloso, circuit to and digorithme (CSC, Files, SE)   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviate unantum gloso, circuit sevel assembly and hardware-level coding and classical molecular dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviate unantum gloso, circuit sevel assembly and hardware-level coding and classical molecular dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics deviated dynamics techniques   Coffee break 10:40-41:00   Coverview of the HPC/QC ordinates deviated dynamics deviate	Date:   Nov 3-7, 2025     Novaire   String   S	Monday Srd  Wednesday Sth  Wednesday