

4th Baltic HPC and Cloud Conference Programme					
April 11, 2024		April 12, 2024			
08:30-09:00		Registration	08:30-09:00		
09:00-10:00	Registration	Keynote 3: LUMI - Unique HPC ecosystem (Per Öster, CSC, Finland)	09:00-09:30		
10:00-10:20	Opening Talis Juhna (Rector of Riga Technical University, Latvia).	Panel discussion: The future of HPC in three Baltic countries Ivar Koppel (Estonia), Lauris Cikovskis (Latvia), Mindaugas Macernis (Lithuania) Per Öster (Finland), Eske Christiansen (Denmark), Thor Wikfeldt (Sweden)	09:30-10:30		
10:20-10:50	Keynote 1: The Future of European HPC - EuroHPC and beyond Anders Dam Jensen (EuroHPC director)	Coffee break	10:30-11:00		
10:50-11:50	Governmental overview on supporting the use of HPC Malin Sandström (Sweden) Sarmite Mickevica (Latvia) Ivar Koppel (Estonia) Povilas Treigys (Lithuania) Janis Grevins (Latvia)	New developments in HPC interfaces and user support services 11:00-11:15 Cotainr: Reproducible container environments using the example of LUMI (Eske Christiansen, Denmark) 11:15-11:30 Unifying HPC, Cloud and Edge Computing with ColonyOS (Johan Kristiansson, Sweden) 11:30-11:45 Waldur - open-source gateway for HPC centers (Ilija Livenson, Estonia) 11:45-12:00 The LUMI webinterface - easy to use interactive HPC (Henrik Nortamo, Finland) 12:00-12:15 EPICURE: European-wide HPC application support service for EuroHPC JU users (Emmanuel Ory, Finland)	11:00-12:15		
11:50-12:00	CoE pitch session - short introduction for visiting CoEs at their booths all the day	Meet and greet CoEs at the booth all day long	Visit booths all day long to know more about HPC training developments		
12:00-12:30	Coffee break				
12:30-13:00	Keynote 2: Discover how supercomputing can revolutionize your Research, Development, and innovation efforts. Andreas Wierse (SICOS BW GmbH, Germany)			12:15-13:30	
13:00-13:45	Success stories: Learn from real-world industrial use cases 13:00-13:15 High-performance computing in wood scanning application (Gundars Kulikovskis, ZippyVision, Latvia) 13:15-13:30 Optimizing Meteorological Insights: The Power of HPC Benchmarking (Rolandas Vaikenas, Novian Technologies, Lithuania) 13:30-13:45 Supercomputing boosting business in Finland (Juhani Huttunen, CSC, Finland)			12:15-13:30	
13:45-14:45	Lunch			13:30-14:30	
14:45-15:30	Panel discussion: European Digital Hubs and National HPC Competence Centers as a support system for Industry Solja Sulkunen (FAIR EDIH, Finland) Juhani Huttunen (CSC, Finland) Torbjörn Jonsson (RISE, Sweden) Thor Wikfeldt (ENCCS, Sweden)			Keynote 4: HPC and quantum computing: merging different computational paradigms (Mikael Johansson, CSC, Finland)	14:30-15:00
15:30-16:00	Coffee break			Quantum computing 15:00-15:15 Quantum algorithms research at the University of Latvia (Andris Ambainis, Latvia) 15:15-15:30 A deep dive on Denmark's Quantum landscape and a roadmap for the coming years (Henrik Navntoft Sønderskov, Denmark) 15:30-15:45 The Nordic Region: A Quantum Life Science Powerhouse (Ebba Carbonnier, Sweden) 15:45-16:00 EuroHyPerCon study – Towards hyperconnectivity for HPC resources (Andreas Wierse, Germany)	15:00-15:30
16:00-17:00	HPC for cross-institutional access: challenges and solutions 16:00-16:05 Challenges of serving larger number of customers of HPC services (Ilija Livenson, Estonia) 16:05-16:20 Challenges of cross-institutional resource sharing in Latvia (Ivars Miežis, Latvia) 16:20-16:35 MyAccessID - a reliable global identity for academia, industry and public sector (Michal Stava, GEANT) 16:35-16:50 Enforcing MFA requirements for HPC access over SSH (Mads Freek Petersen, Denmark) 16:50-17:00: Panel discussion			Closing of the conference	16:00-16:15
19:00-22:00	Conference dinner				