

Austrian-Slovenian HPC Meeting – ASHPC24 – PRELIMINARY TIMETABLE (as of 6 March 2024)

Tuesday, 11 June 2024		Wednesday, 12 June 2024		Thursday, 13 June 2024	
WELCOME					
	09:00 Matej Praprotnik Welcome by the Program Chair 09:07 Eduard Reiter Welcome by the Organizing Chair	ASHPC24 Session 5		ASHPC24 Session 9	
ASHPC24 Session 1	14:00 Wolfgang Lechner ParityOS - The operating system for 14:45 Janez Povh Solving the Stable Set problem by 15:00 Eduarda Sangiogo Parallelized Implementation of the	0,375 Marko Robnik Šiko (LLMs) UNCONFIRMED 09:45 Aleš Zamuda Randomised Optimisation Algorithms 10:00 Benedikt Hartl Evolutionary Implications of Multi- 10:15 Draško Tomić Zettaflops Computing: Why, when, and how?		09:00 Dejan Štepec Cell Detection for the 2020s – Comparison 09:45 Amaury Coste Implicit Solvation Machine Learning 10:00 Kirils Surovovs OpenFOAM CFD simulation performance 10:15 Thomas Rattei Accounting and efficient use of GPU	
Coffee Break	10:30	Coffee Break	10:30	Coffee Break	10:30
ASHPC24 Session 2	11:00 Tina Črnigoj Marc Innovation in business: HPC as an enabler 11:15 Jan Jona Javoršek MAX CoE and the EuroHPC ecosystem 11:30 Tina and Matic (Ti EXCELLERAT CoE: The European Center of Excellence) 11:45 Florian Atzenhofer HPC and DHI/Infra 12:00 Emir Imamagić Croatian National Advanced Computing Center	ASHPC24 Session 6	11:00 Philipp Gschwandtner Beyond Benchmarks: Comparing Performance 11:15 Peter Thoman Transparently Scaling Applications 11:30 Ratko Pilipović Optimising routines with sparse matrix 11:45 Ruben Laso What You Always Wanted To Know 12:00 Ivona Vasileška Performance and Portability Assessment	ASHPC24 Session 10	11:00 Wolfgang Husinský Molecular Dynamic simulations and 11:15 Wolfgang Husinský NCIS-LA, Nature Computer investigation 11:30 Dieter Kvasnicka Checkpointing on VSC 11:45 Siegfried Höfinger Exploring Energy-Efficient GPU Computing
Lunch	12:15	Lunch	12:15	CLOSING + ASHPC25	12:00 CLOSING + ASHPC25 12:15
ASHPC24 Session 3	12:30 14:00 Jeanette Nilsson (industries) 14:45 David Pfahler Live resource management in HPC 14:55 Paul Heistracher Enhancing Computational Throughput 15:05 Martin Jurkovič High-throughput image processing 15:15	ASHPC24 Session 7	14:00 Irene Schicker Advancements, prospects, and challenges 14:45 Aiko Voigt iContainer: climate and weather simulation 15:00 Mark Tupas Enabling Global Flood Monitoring with 15:15	END	12:30 14:00 END
Coffee Break	15:30	Coffee Break	15:30		
ASHPC24 Session 4	16:00 Moreno Guernelli Leonardo's Role in the Pre-exascale 16:15 Teo Prica Development and supporting activities 16:30 Dejan Lesjak Software containers in HPC 16:45 Alja Prah Overcoming challenges in building 17:00 Violeta and Samo Lessons learned/experience from the	ASHPC24 Session 8	16:00 Elias Wimmer MUSICA – Multi-Site Computer Architecture 16:15 Benjamin Hackl Cython vs. Numba vs. Mojo: A Comparison 16:30 Alois Schlögl How much memory per CPU core is 16:45 Wiktor Nastał Automating Access to OpenID Connect 17:00 James McKeivitt Accelerating Fortran Codes: Merging		
Break/Discussion OR Poster Session	17:15	ASHPC24 Poster Session	17:15 POSTER LIGHTNING TALKS 17:30 POSTER SESSION 19:00		
Dinner	19:30	Dinner	19:30		

ASHPC24 Poster Session	17:15 - 19:00	Wednesday, 12 June 2024
		Dominik Brandstetter Band structure formation in metal-organic nanostructures
		Andreas Lindner Quantum Vacuum Simulations in the Heisenberg–Euler Weak-Field Expansion
		Michal Kravčenko Deep learning for scientific data compression
		Tina Črnigoj Marc FF4EuroHPC – SME Innovation Through HPC
		Tina Črnigoj Marc EXCELLERAT Poster
		Matej Praprotnik MultiXscale – Center of Excellence
		Lubomir Riha SPACE - Scalable Parallel Astrophysical Codes for Exascale Center of Excellence
		Tomas Karasek NCC Czechia: HPC World Guide
		NCC-PL Poster
		NCC-AT Poster
		retracted Ioannis Vardas Enhancing mpiexec, the MPI Communicator-centric Profiler Integrating Buffer Size Analytics and SQLite Database