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

Tuesday, 11 June 2024

WELCOME
09:00	Matej Praprotnik	Welcome by the Program Chair
09:07	Eduard Reiter	Welcome by the Organizing Chair

ASHPC24 Session 1
09:15	Wolfgang Lechner	ParityOS - The operating system for
10:00	Janez Povh	Solving the Stable Set problem by D-
10:15	Eduarda Sangiogo (	Parallelized Implementation of the Q

Coffee Break
10:30

ASHPC24 Session 2
11:00	Tina Crnigoj Marc	Innovation in business: HPC as an op
11:15	Jan Jona Javoršek	MAX CoE and the EuroHPC ecosyste
11:30	Tina and Matic (Tin	EXCELLERAT CoE: The European Cen
11:45	Florian Atzenhofer	HPC and DHInfra
12:00	Emir Imamagić	Croatian National Advanced Compu
12:15		

Lunch
12:30

ASHPC24 Session 3
14:00	Jeanette Nilsson	(industries)
14:45	David Pfahler	Live resource management in HPC a
14:55	Paul Heistracher	Enhancing Computational Throughp
15:05	Martin Jurkovič	High-throughput image processing i
15:15		

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 activit
16:30	Dejan Lesjak	Software containers in HPC
16:45	Alja Prah	Overcoming challenges in building s
17:00	Violeta and Samo (	Lessons learned/experience from th

Break/Discussion OR Poster Session
17:15

Dinner
19:30

Wednesday, 12 June 2024

ASHPC24 Session 5
09:00	Marko Robnik Šiko	(LLMs) UNCONFIRMED
09:45	Aleš Zamuda	Randomised Optimisation Algorithm
10:00	Benedikt Hartl	Evolutionary Implications of Multi-S
10:15	Draško Tomić	Zettaflops Computing: Why, when, a

Coffee Break
10:30

ASHPC24 Session 6
11:00	Philipp Gschwandt	Beyond Benchmarks: Comparing Pa
11:15	Peter Thoman	Transparently Scaling Applications t
11:30	Ratko Pilipović	Optimising routines with sparse mat
11:45	Ruben Laso	What You Always Wanted To Know A
12:00	Ivona Vasileska	Performance and Portability Assess
12:15		

Lunch
12:30

ASHPC24 Session 7
14:00	Irene Schicker	Advancements, prospects, and chall
14:45	Aiko Voigt	iCONtainer: climate and weather sim
15:00	Mark Tupas	Enabling Global Flood Monitoring w
15:15		

Coffee Break
15:30

ASHPC24 Session 8
16:00	Elias Wimmer	MUSICA – Multi-Site Computer Aust
16:15	Benjamin Hackl	Cython vs. Numba vs. Mojo: A Comp
16:30	Alois Schlögl	How much memory per CPU core is
16:45	Wiktor Nastał	Automating Access to OpenID Conn
17:00	James McKevitt	Accelerating Fortran Codes: Merging

ASHPC24 Poster Session
17:15	POSTER	LIGHTNING TALKS
17:30	POSTER	SESSION
19:00		

Dinner
19:30

Thursday, 13 June 2024

ASHPC24 Session 9
09:00	Dejan Štepec	Cell Detection for the 2020s – Comp
09:45	Amaury Coste	Implicit Solvation Machine Learning
10:00	Kirils Surovovs	OpenFOAM CFD simulation perform
10:15	Thomas Rattei	Accounting and efficient use of GPU

Coffee Break
10:30

ASHPC24 Session 10
11:00	Wolfgang Husinsky	Molecular Dynamic simulations add
11:15	Wolfgang Husinsky	NCIS-LA, Nature Computer investiga
11:30	Dieter Kvasnicka	Checkpointing on VSC
11:45	Siegfried Höfinger	Exploring Energy-Efficient GPU Com

CLOSING + ASHPC25
12:00	CLOSING + ASHPC25
12:15	

Lunch
12:30

END
14:00 END

ASHPC24 Poster Session   17:15 - 19:00   Wednesday, 12 June 2024

Dominik Brandstet	Band structure formation in metal-organic nanostructures
Andreas Lindner	Quantum Vacuum Simulationsin 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 Excelence
Lubomir Riha	SPACE - Scalable Parallel Astrophysical Codes for Exascale Center of Excelence
Tomas Karasek	NCC Czechia: HPC World Guide
	NCC-PL Poster
	NCC-AT Poster
retracted	Ioannis Vardas	Enhancing mpisee, the MPI Communicator-centric Profiler:Integrating Buffer Size Analytics and SQLite Database