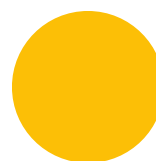


Event Agenda



Funded by
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09:00 - 09:30 **Registration**

09:30 - 09:45 **Opening**

09:45 - 09:55 **Introduction to HiDALGO2**

Marcin Lawenda (Poznan Supercomputing and Networking Center)

09:55 - 10:05 **Keynote: HPC, Quantum Computing and AI European Ecosystem**

Matteo Mascagni (EuroHPC JU)

10:05 - 10:25 **Global Challenges and HPC: The Case of Wildfires**

David Caballero (MeteoGRID)

10:25 - 10:40 **Urban Air: Simulating City Air Quality and Comfort with HPC**

Zoltan Horvath (Széchenyi István University)

10:40 - 11:10 **Coffee Break**

11:10 - 11:25 **Ktirio: From Building to City-Scale Energy on EuroHPC Systems using Open Data**

Christophe Prud'homme (University of Strasbourg)

11:25 - 11:40 **iCity Urban Transformation: Data-driven District Development – Efficient, Renewable, Sustainable**

Svetlana Valger (Stuttgart Technical University of Applied Sciences)

Panel Discussion: Digital Twins for Sustainable Cities: From Buildings to Urban Air

Chair: Zoltan Horvath (Széchenyi István University)

11:40 - 12:30 **Speakers:** Clara García-Sánchez (TUDelft), Yannick Hofmann (Fraunhofer Institute for Industrial Engineering IAO), Tarek Gaber (University of Salford), Christophe Prud'homme (University of Strasbourg), Georgia Nikolakopoulou (Future Needs)

12:30 - 13:45 **Lunch Break**

13:45 - 14:05 **Renewable Energy Sources: Modeling Renewable Energy Production with HPC**

Michal Kulczewski (Poznan Supercomputing and Networking Center)

14:05 - 14:25 **Material Transport in Water: Simulating Temperature-Driven River Dynamics Using HPC**

Ravi Ayyala Somayajula (Friedrich-Alexander-Universität)

14:25 - 14:40 **Towards Exascale Simulations of Organs in the Human Body: A Perspective from the dealii-X CoE**

Martin Kronbichler (Ruhr University Bochum)

14:40 - 15:10 **Coffee Break**

Panel Discussion with Experts: HPC Applications Across the EU

15:10 - 16:10 **Chair:** Guntram Berti (Castiel2)

Speakers: Kostis Iliakis (ICCS-NTUA), Bastian Koller (HLRS), Andreas Athenodorou (CaSToRC, Cyprus Institute)

16:10 - 16:30 **Navigating the European AI Landscape: A Look at HammerHAI's AI Factory**

Dennis Hoppe (High Performance Computing Center Stuttgart)

16:30 - 16:40 **Closing Remarks**

Marcin Lawenda (Poznan Supercomputing and Networking Center)

16:40 - 18:00 **Networking**