

Keynote talks at PPAM 2022:

1. Jack Dongarra HPC: Where We Are Today And A Look Into The Future
2. Satoshi Matsuoka TBD
3. John Shalf Ultrascale System Interconnects at the End of Moore's Law
4. Torsten Hoefler Post-Moore spatial computing from chips to clusters
5. IBM Quantum Computing
6. Anima Anandkumar TBD
7. Simon Knowles Matching silicon to AI, and vice versa
8. Enrique S. Quintana-Orti Manual versus Automatic Generation of Computational Kernels for Deep Learning Inference
9. Simon McIntosh-Smith Future proof applications: performance portability in the age of diverse computer architectures
10. Christian Terboven Exploiting Heterogeneous Shared Memory Architectures
11. Georg Hager Spontaneous asynchronicity: parallel programs out of locks
12. Hartwig Anzt Lossy Compression and Mixed Precision Strategies for Memory-Bound Linear Algebra
13. Manuel Ujaldon Nvidia Hopper Architecture
14. Michał Mrozek New player incoming – Intel Ponte Vecchio GPU architecture in server spac
15. Ivona Brandic Data Science Driven Methods for Sustainable and Failure Tolerant Systems
16. Michela Taufer In Situ Data Analytics for Next Generation Molecular Dynamics Workflows
17. Ümit V. Çatalyürek Bringing HPC Graph Analytics to Modern Graph Databases
18. Manish Parashar Data-Management for Extreme Science: Experiences in Translational Computer Science Research