

## First Day (Chair, Paul Muzio, HPC User Forum Steering Committee)

- Welcome, logistics, HPC User Forum background (Earl Joseph, Paul Muzio, Rupak Biswas, and Steve Conway)
- HPC Market Update, Earl Joseph, Hyperion Research
- Exascale and Pre-Exascale Supercomputer Updates
  - Kimmo Koski, CSC – IT Center for Science, Finland
  - Fumiyoshi Shoji, RIKEN
- 2022 Innovation Award Winner
  - Ramin Hasani, Massachusetts Institute of Technology (MIT)
- Composable Systems and Energy Efficiency
  - Honggao Liu, Texas A&M University, Accelerating Computing for Emerging Sciences (ACES)
  - Chris DePrater, Lawrence Livermore National Laboratory, Energy Efficient HPC Working Group
- Vendor Update, HPE
- Break
- HPC System Design and Software
  - Mark Wilkinson, University of Leicester, Exascale Computing Algorithms and Infrastructures Benefiting UK Research (ExCALIBUR)
  - Ulrich Rude, Friedrich-Alexander-University
  - Charles Hanna, HPE
  - Dan Ernst, Microsoft
  - Onur Celebioglu, Dell Technologies
  - Bob Murphy, WEKA
- Vendor Update, Penguin Computing
- End of day remarks, Paul Muzio

## Second Day (Vice Chairman, Rupak Biswas, HPC User Forum Steering Committee)

- Welcome, logistics, Rupak Biswas
- Innovative Technologies: New Directions in Processors for HPC (Part 1); Earl Joseph, Moderator
  - John Davis, Barcelona Supercomputing Center/European Laboratory for Open Computer Architecture (LOCA)
  - Craig Prunty, SiPearl
  - Masaru Kase, Fujitsu
  - Ellie Dobson, Graphcore
  - Rob Schreiber, Cerebras
  - Brock Taylor, AMD
- Break
- New Directions in Processors for HPC (Part 2)
  - Wilfred Gomes, Intel
- New HPC Research in Weather and Climate (Part 1)
  - Laura Carriere, NASA Center for Climate Simulation
  - Rory Kelly, National Center for Atmospheric Research (NCAR)
- 2022 Innovation Award Winner
  - Branko Kosovic, National Center for Atmospheric Research
- Vendor Update, MemVerge End User Case Study
- End of day remarks, Rupak Biswas



## March 2022 HPC User Forum Agenda



### Third Day (Sharan Kalwani, HPC User Forum Steering Committee)

- Welcome, logistics, Sharan Kalwani
- New HPC Research in Weather and Climate (Part 2)
  - Martin Palkovic, European Centre for Medium-Range Weather Forecasts (ECMWF)
  - Thomas Ludwig, Deutsches Klimarechenzentrum (DKRZ)
  - Gilbert Brunet, Bureau of Meteorology, Australia
  - Ulrich Schättler, Deutscher Wetterdienst (DWD)
- Vendor Update, Cornelis Networks
- Break
- Edge Computing, Steve Conway, Hyperion Research
- HPC Roadmap for CSPs, Brendan Bouffler, AWS
- HPC Center Updates & Best Practices
  - Brendan McGinty, NCSA, University of Illinois
  - Michael Resch, HLRS, University of Stuttgart
  - Rebecca Hartman-Baker, National Energy Research Scientific Computing Center (NERSC)
- 2022 Innovation Award Winner
  - Stefani Crabtree, Santa Fe Institute
- DNA Computing, Swapnil Bhatia, CATALOG
- Invitation to the June HPC User Forum at Oak Ridge National Laboratory
- End of day remarks, Sharan Kalwani
- Conclusions, Paul Muzio, Rupak Biswas, Steve Conway and Earl Joseph

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