ECP Software Technology Leadership Team

Mike Heroux, Software Technology Director
Mike has been involved in scientific software R&D for 30 years. His first 10 were at Cray in the LIBSCI and scalable apps groups. At Sandia, he started the Trilinos and Mantevo projects, is author of the HPCG benchmark for the TOP500, and leads productivity and sustainability efforts for DOE.

Lois Curfman McInnes, Software Technology Deputy Director
Lois is a senior computational scientist in the Mathematics and Computer Science Division of Argonne. She has over 20 years of experience in HPC numerical software, including development of PETSc and leadership of multi-institutional work toward sustainable scientific software ecosystems.

Rajeev Thakur, Programming Models and Runtimes (2.3.1)
Rajeev is a senior computer scientist at Argonne and most recently led the ECP Software Technology focus area. His research interests are parallel programming models, runtime systems, communication libraries, and scalable parallel I/O. He has been involved in the development of open-source software for large-scale HPC systems for over 20 years.

Jeff Vetter, Development Tools (2.3.2)
Jeff is a computer scientist at ORNL, where he leads the Future Technologies Group. He has been involved in research and development of architectures and software for emerging technologies, such as heterogeneous computing and nonvolatile memory, for HPC for over 15 years.

Xaioye (Sherry) Li, Math Libraries (2.3.3)
Sherry is a senior scientist at Berkeley Lab. She has over 20 years of experience in high-performance numerical software, including development of SuperLU and related linear algebra algorithms and software.

Jim Ahrens, Data and Visualization (2.3.4)
Jim is a senior research scientist at LANL and an expert in data science at scale. He started and actively contributes to many open-source data science packages, including ParaView and Cinema.

Todd Munson, Software Ecosystem and Delivery (2.3.5)
Todd is a computational scientist in Argonne's Math and Computer Science Division. He has nearly 20 years of experience in high-performance numerical software, including development of PETSc/TAO and project management leadership in the ECP CODAR project.

Kathryn Mohror, NNSA ST (2.3.6)
Kathryn is group leader for the CASC Data Analysis Group at LLNL. Her work focuses on I/O for extreme-scale systems, scalable performance analysis and tuning, fault tolerance, and parallel programming paradigms. She is a 2019 recipient of the DOE Early Career Award.