Targeted Audience:
This BoF will bring together those with experience and interest in present and future system tools and technologies that can provide library and application usage and job-level monitoring type of job-level insight, and will be the kickoff meeting for a new Special Interest Group for those who want to explore this topic more deeply.

Estimated Attendance:
40 (Previous BoF at ISC 14 had 45, a similar BoF at SC had 48)

Short CVs:

Dr. Mark R. Fahey (Speaker)
Dr. Mark R. Fahey is the Deputy Director for the National Institute for Computational Sciences and Joint Faculty with the Industrial and Information Engineering Department at the University of Tennessee Knoxville; and Dr. Fahey is part of the Scientific Computing Group within the National Center for Computational Sciences at Oak Ridge National Laboratory. As Deputy Director, Dr. Fahey helps run one of the National Science Foundation's supercomputing centers. Dr. Fahey is also the lead for the Extended Support for Research Teams component of the XSEDE project. Dr. Fahey received his B.A. From St. Norbert College in 1992 and his Ph.D. from the University of Kentucky in 1999.

Dr. Fahey has interests in the areas of numerical algorithms, code optimization techniques, parallel performance and scalability, and in software management techniques and tools. In particular, Dr. Fahey has led the effort of the development of an Automatic Library Tracking Database tool that is in production at various centers around the globe and has recently won an NSF grant to do further research and development in this area.

Dr. Robert McLay (Organizer)
Dr. Robert McLay received bachelors and masters degree from the Massachusetts Institute of Technology and his Ph.D. in Engineering Mechanics from The University of Texas at Austin. His research includes C++ software development, regression testing, and software tools, all related to large parallel numerical simulation codes. In particular, he has done work in parallel finite-element programs solving incompressible fluid flow and heat transfer.

His interest in software tools and support of HPC programming environments has lead to his development of Lmod, a modern replacement for Environment Modules system. Lmod's major advantages are protecting all users from loading incompatible software without hindering experts. This work has lead to an interest in tracking the software usage through the module system.