# Publications

**Wesley Bland**, Aurelien Bouteiller, Thomas Herault, Josh Hursey, George Bosilca, Jack Dongarra. *An Evaluation of User-Level Failure Mitigation Support in MPI*. Proceedings of Recent Advances in Message Passing Interface - 19th European MPI Users' Group Meeting (EuroMPI 2012), Springer, Vienna, Austria, September 2012. [PDF]

**Wesley Bland**, Peng Du, Aurelien Bouteiller, Thomas Herault, George Bosilca, Jack Dongarra. *A Checkpoint-on-Failure Protocol for Algorithm-Based Recovery in Standard MPI*. 18th International European Conference on Parallel and Distributed Computing (Euro-Par 2012), August 2012. [PDF] *Distinguished Paper Award*

**Wesley Bland**. *Enabling Application Resilience With and Without the MPI Standard*. IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2012), May 2012. [PDF]

**Wesley Bland**, George Bosilca, Aurelien Bouteiller, Thomas Herault, Jack Dongarra. *A Proposal for User-Level Failure Mitigation in the MPI-3 Standard*. University of Tennessee Electrical Engineering and Computer Science Technical Report, ut-cs-12-693, February, 2012. [PDF]

Thomas Naughton, **Wesley Bland**, Geoffroy Vallee, Christian Engelmann, Stephen L. Scott. *Fault Injection Framework for System Resilience Evaluation: Fake Faults for Finding Future Failures.* Proceedings of the 2009 Workshop on Resiliency in High Performance Computing (Resilience '09), June 2009. [PDF]

Geoffroy Vallée, Thomas Naughton, Hong Ong, Anand Tikotekar, Christian Engelmann, **Wesley Bland**, Ferrol Aderholdt, Stephen L. Scott. *Virtual System Environments.* 2nd International DMTF Academic Alliance Workshop on Systems and Virtualization Management: Standards and New Technologies (SVM 08), October 2008. [PDF]

**Wesley Bland**, Thomas Naughton, Geoffroy Vallée, Stephen L. Scott. Design and Implementation of a Menu Based OSCAR Command Line Interface. Proceedings of the 21st International Symposium on High Performance Computing Systems and Applications (HPCS '07), May 2007. [PDF]

Geoffroy Vallée, Thomas Naughton, **Wesley Bland**, Stephen L. Scott. Automatic Testing Tool for OSCAR Using System-level Virtualization. Proceedings of the 21st International Symposium on High Performance Computing Systems and Applications (HPCS '07), May 2007. [PDF]

# Selected Presentations

Enabling Application Resilience With and Without the MPI Standard - CCGrid, May 2012

Process Failure Mitigation in the MPI 3.0 Standard - PetaApps Project, March 2012

Resilient Open MPI - PetaApps Project, October 2011

Resilient Open MPI - ICL Annual Retreat, August 2011

A Fault Tolerant Runtime for Open MPI - PetaApps Project, January 2011

Scalable Tools Communication Infrastructure - ICL Annual Retreat, August 2009