Boulder, CO – February 19, 2010 – Tech-X Corporation invites you to visit us at our booth at the SIAM Conference on Parallel Processing for Scientific Computing (PP10), to take place **February 24 – 26, 2010 in Seattle, WA** at the Grand Hyatt Seattle.

We will also be demonstrating GPULib, our library of mathematical kernels for GPU computing and VORPAL, our highly-configurable multiphysics simulation application for modeling the interaction of matter with electromagnetic fields.

Tech-X Presentation Schedule

Wednesday, February 24

CP3: System Software, Environments, and Tools
1:20 PM - 3:20 PM / Room: Stevens - 7th Floor
1:40-1:55 Towards Standardizing Parallel Visualization of Scientific Data

Seth Veitzer, Tech-X Corporation; Svetlana Shasharina, Tech-X Corporation; John Cary, Tech-X Corporation; Marc Durant and Scott Kruger, Tech-X Corporation

Thursday, February 25

CP7: Simulation
9:50 AM - 11:50 AM / Room: Washington - 7th Floor
9:50-10:05 Plasma Simulation Code Optimization on Petascale Systems

Peter Messmer and Paul Mullowney, Tech-X Corporation; Keegan Amyx and Ben Cowan, Tech-X Corporation; Boyana Norris, Argonne National Laboratory

PP1: Poster Session
8:30 PM - 10:30 PM / Room: Princessa

Automatic Sparse Preconditioners for the Spectral Element Method
Travis M. Austin, Tech-X Corporation; Thomas Manteuffel, Marian Brezina, and John Ruge, University of Colorado at Boulder

Fully Implicit, Jacobian-Free, Newton-Krylov Methods in Production Level MHD Fusion Codes
Ben Jamroz, Tech-X Corporation; Travis Austin and Scott Kruger, Tech-X Corporation

GPU Acceleration of Parallel Out-Of-Core Dense Linear Solvers
Peter Messmer, Tech-X Corporation; Matthew Koch, Tech-X Corporation; Paul Mullowney, Tech-X Corporation

Friday, February 26

MS50: Software Design Patterns for Addressing Complexity in Large Scale Multiphysics Applications

9:50 AM - 11:50 AM / Room: Portland A/B

10:50-11:15 Addressing Software Complexity in a Multiphysics Parallel Application: Coupled Core-Edge-Wall Fusion Simulations

John Cary, Tech-X Corporation; Lois Curfman McInnes, Argonne National Laboratory; Tom Epperly, Lawrence Livermore National Laboratory; Ammar Hakim, Scott Kruger, Mahmood Miah, Alex Pletzer, and Sveta Shasharina, Tech-X Corporation