

## X-Stack: Programming Environments for Scientific Computing

PI	Selectee	Title
Teranishi, Keita	Sandia National Laboratories, California (SNL-CA), Livermore, CA, 94450-0969	Automated Test Generation for Performance Portable Programs Using Clang/LLVM and Formal Methods
Sarkar, Vivek	Georgia Tech Research Corporation, Atlanta, GA, 30332-0420	Automated Test Generation for Performance Portable Programs Using Clang/LLVM and Formal Methods
Vetter, Jeffrey	Oak Ridge National Laboratory (ORNL), Oak Ridge, TN, 37831-6118	BLUESTONE: Program Translation and Synthesis for Extremely Heterogeneous Architectures
Franchetti, Franz	Carnegie Mellon University, Pittsburgh, PA, 15213-3589	BLUESTONE: Program Translation and Synthesis for Extremely Heterogeneous Architectures
Gopalakrishnan, Ganesh	University of Utah, Salt Lake City, UT, 84112-9023	ComPort: Rigorous Testing Methods to Safeguard Software Porting
Gonzalez, Cindy	Regents of the University of California, Davis, Davis, CA, 95618-6153	ComPort: Rigorous Testing Methods to Safeguard Software Porting
Tatlock, Zachary	University of Washington, Seattle, WA, 98105-9472	ComPort: Rigorous Testing Methods to Safeguard Software Porting
Laguna Peralta, Ignacio	Lawrence Livermore National Laboratory (LLNL), Livermore, CA, 94550-0808	ComPort: Rigorous Testing Methods to Safeguard Software Porting
Li, Ang	Pacific Northwest National Laboratory (PNNL), Richland, WA, 99352-1793	ComPort: Rigorous Testing Methods to Safeguard Software Porting
Iancu, Costin	Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA, 94720-8099	AESOP - Extremely Heterogeneous Software Porting and Optimization
Sen, Koushik	The Regents of University of California, Berkeley, CA, 94710-5940	AESOP - Extremely Heterogeneous Software Porting and Optimization
Kruse, Michael	Argonne National Laboratory (ANL), Lemont, IL, 60439-4803	X-CELLENT: X-Compiler Extending LLVM for Enhanced Natural Translation
August, David	The Trustees of Princeton University, Princeton, NJ, 08544-2020	X-CELLENT: X-Compiler Extending LLVM for Enhanced Natural Translation
Campanoni, Simone	Northwestern University, Chicago, IL, 60611-4579	X-CELLENT: X-Compiler Extending LLVM for Enhanced Natural Translation