2023 NSF CSSI PI Meeting Final Report
September 26-27, 2023
Houston TX

Committee

The following individuals served on the CSSI 2023 Workshop Planning Committee including seven CSSI PIs and two project managers who managed the entire process from workshop application to contracts to logistics onsite and reporting. Dr. Geoffrey Fox is also a CyberTraining PI and liaised with the CyberTraining 2023 Workshop Planning Committee for the co-located event.

- Christine Kirkpatrick, San Diego Supercomputer Center, UC San Diego. Workshop Chair
- B.S. Manjunath, University of California at Santa Barbara. Committee Member
- Madhav Marathe, University of Virginia. Committee Member
- Roxana Margine, Binghamton University. Committee Member
- Kenton McHenry, University of Illinois at Urbana-Champaign. Committee Member
- Dan Negrut, University of Wisconsin-Madison. Committee Member
- Geoffrey Fox, University of Virginia. Committee Member
- Lynne Schreiber, San Diego Supercomputer Center, UC San Diego. Project Manager
- Julie Christopher, San Diego Supercomputer Center, UC San Diego. Project Manager

Website: https://www.cssi-pi2023.org/

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Executive Summary

The 2023 NSF CSSI PI was a success as evaluated by attendee registration numbers, low attrition, high participant engagement including consistent attendance throughout both days, survey results, and direct feedback. A committee of CSSI PIs was formed that included one participant from the Cyber training committee to enable colocation of both meetings. Attendees were generally satisfied with the meeting and had several suggestions for future meetings.

Planning and Execution

The planning committee held ~10 planning committee meetings from March - September 2023.
A pre-survey to gather community input was conducted to determine panel session topics. Based on past year's feedback, lightning talks were eliminated from the program. Additionally, Day 2 was shortened so that attendees could reduce hotel nights. PIs from CSSI, CDS&E and OAC Core programs were invited to submit abstracts for posters, panels, and breakout sessions.
The program included:

- 2 Joint plenary sessions with CyberTraining
- 3 Panel sessions
- 4 Breakout sessions
- 178 Posters
- 56 'Office hours' 15-minute scheduled appointments with 9 NSF Program Officers

Meeting materials, including digital posters and slides from the meeting have been deposited to Figshare, thereby extending outputs and any findings to the cyberinfrastructure community.

Community Feedback

Based on 58 responses (25%)

1) Satisfaction
78% Very satisfied/satisfied, 10% Dissatisfied

2) New connections
95% made new connections

3) New connections with CyberTraining
48% made new connections with CyberTraining

4) How much did CSSI attendees miss the lightning talks?
36% Not at all, 33% Neutral, 21% Somewhat, 10% Very much, bring them back

5) What people learned:

- Exposure to projects. Future NSF opportunities
- Better understanding of software sustainability from the NSF/other PIs point of view
- DEI, Near peer mentorship, partnership rather than recruitment, how to diversify your team
- CyberTraining
- Aspects of AI/ML
- Project engagement and onboarding
- Numerous examples of being “Relevant to my research”

6) What people liked

- Networking, networking, networking
- Poster sessions
- Meeting program officers
- Variety of panel topics, Q&A, stimulating discussions
- Schedule and format. 1 1/2 day program is good (so we can travel back on Day 2)

7) Suggestions for future meetings:

- Have venue closer to airport
- Better labeling of food items and better vegan & vegetarian options
- Schedule poster sessions for 90 minutes
- Create subgroups or themes based on interests and fields ahead of time
- Keep NSF officers hours, create even more opportunities to visit with program officers
- Plan for more constructive work towards solutions by subgroups
- More discussion from the program officers, especially about their vision for sustainability in the context of this program.
- Better time management on panels and more time for Q&A
- Opportunity to mix groups (even if forced)
- CSSI meeting to become a satellite meeting of the new US-RSE annual meeting.
- It would have also been helpful if there were Slack to keep in touch with after.

Key Takeaways

Through the course of the meeting and Interactions with the community before and after, the organizing committee was able to glean additional information that may be useful to NSF and future committees.

- PIs see this type of meeting as an obligation first and foremost. They are surprised and delighted when they perceive it to be a good use of their time and interesting.
- A subset of projects delegate attendance to junior staff including postdocs and graduate students. This demographic is interested in different types of networking and resources. It would be helpful to plan session topics, especially where sessions run in parallel, with this in mind.
- Participants of all ages and stature may find this meeting intimidating. It can increase engagement to ensure that the tone is light (less formal, inclusive, not judgemental) and that there are informal opportunities for discussion.

- One of the most popular aspects of any PI meeting is a briefing on upcoming solicitations (fiscal opportunities), and access to meet and speak with program officers. Participants especially appreciate mediated access, such as the sign up for office hours that was provided.
- The community is interested in interacting throughout the year, beyond just the annual meetings. Some expressed interest in a Slack channel where they could have conversations that extended past the meeting and led to collaborations.
- Future partnership with the US-RSE would be useful for both PIs and junior staff that attend the meeting.
- Continue the CSSI-CyberTraining collaboration.
- The time for people to interact (meals, poster sessions, reception) is as or more important to participants than structured presentations. The pressure on organizers is to cram information into sessions and then stick to the agenda at the expense of “free time”. The interaction time needs protecting.

Breakout Session Summaries

Four breakout topics, suggested and selected by the community, created focused time for further interactions.

- The Breakout session on *Best practices in sustainability*, moderated by Christine Kirkpatrick, UC San Diego discussed what is sustainability, lessons learned, false recipes for sustainability and tips for early career professionals.
- The Breakout session on *Software Integration: leveraging existing open source projects* , moderated by Douglas Thain, University of Notre Dame, discussed the need for a one stop shop to search for existing applications, barriers to reusing software within the CSSI realm, and the boundaries of a searchable software catalog.
- The breakout session on *Best practices in Collaborative Software Engineering and leveraging new technology* , moderated by Carol X. Song, Purdue University, had several presentations by Jian Huang, University of Tennessee; Tim Menzies, North Carolina State; Carol X. Song, Purdue University and Xian-He Sun, Illinois Institute of Technology. A discussion followed on tips for sustainable software creation, what if GitHub were to vanish and how to entice collaboration on a project.
- The breakout session on Disruption, implications, and solutions related to AI foundation models , moderated by Dan Negrut, University of Wisconsin-Madison, had several presentations by Krishna Kumar, University of Texas, Austin; Catherine Brinson, Duke University and Nagarajan Kandasamy, Drexel University.

Broader Impacts

The workshop brought together leading experts in the CSSI and broader communities, including

attendees from Rice University, to discuss and share innovations and best practices of developing and sustaining cyberinfrastructure over time. These collaborations will build the capacity for sustainable cyberinfrastructure services that can enhance productivity and accelerate innovation in science and engineering and will significantly contribute to increasing the impact of the output of NSF and specifically OAC's programs. Of particular interest was the Joint Session with CyberTraining on *Broader Impacts*: *Creating and supporting diverse teams for participants and community.*

Broader Impacts – Creating and supporting diverse teams for participants and community Joint Session:
Christine Kirkpatrick, Geoffrey Fox
The importance of broader impact was recognized in our plans, and the topic was covered in a separate joint session with CSSI on the second day. This contained several significant presentations by leaders in the field and three described below applicable to CyberTraining. **Professor Richard Aló** presented on Creating and Supporting Diverse Teams and Communities. He is the Dean of the College of Science and Technology at FAMU and leads the NSF Florida Georgia Louis Stokes Alliance for Minority Participation FGLSAMP. His vision had three components: Reduce the Vast Underrepresentation in STEM (science, technology, engineering, and mathematics), Broaden Participation in STEAM (adding A for Arts), and Work Collaboratively to Equalize the Playing Field. He gave alarming statistics on the university degrees at different levels granted to different ethnic groups (Asian, White, HURM - historically under-represented minority). He stressed the value of virtual learning across the geographically broad FGLSAMP community. He described initiatives in data science and cybersecurity to conclude that CI and Data Science Provide Alternatives to Broadening Participation in STEAM. **Professor Linda Hayden** of Elizabeth City State University covered the results of a study by the NSF Office of Polar Programs Subcommittee on Diversity & Inclusion. She stressed the uneven state of DEI efforts among different OPP awards. A highlight was the work of the NSF Science and Technology Center CReSIS. The REU program here involved women at the 42% to 63% level and minorities at the 66% to 89% level over a five-year period. She stressed the importance of partnerships rather than recruitment and recommended working with institutions with an underrepresented focus. So please partner with HBCU (Historically Black College and University), PBI (Predominantly Black Institution), MPO (Minority Professional Organization), or MSI (Minority Serving Institution). **Sophie Kuchynka** from the Equity Accelerator studied the role of the mentor-mentee relationship in three scenarios: high school, community colleges, and universities. The value of this was seen in all cases, but near-peer mentorship was particularly effective.

Additionally, participants' takeaways from the meeting highlighted topics in the area of DEI and project engagement:

DEI

- Work with minority institutions.
- DEI activities with a DEI serving institution
- The "how to diversify your team" was well done and I learned a lot.

- I learned about the Minority-Serving Cyberinfrastructure Consortium (MS-CC).
- DEI: think partnership rather than recruitment
- The effect of near-peer mentorship
- Near Peer Mentorship.
- Some of the DEIJ talks were very helpful
- Linda Hayden mentioned the need for both entry-level and advanced internships. I expect to apply that advice when planning future internships.

Project engagement and onboarding

- Strategies for disseminating and community building
- Organizing hack-a-thons are a great way to increase users of CI
- I learned some good ideas for on-boarding users and following up on their questions.
- I am always interested in the spectrum of "community engagement" challenges and activities from the variety of software projects represented at CSSI PI meetings.

Recommendations

- Convene an entire workshop devoted to *Best practices in sustainability* to develop a set of recommendations/guidance for the CSSI community.
- Plan for more discussion from the program officers, especially about their vision for sustainability in the context of this program! What models of financial sustainability is the program interested in promoting? What role do other sources of NSF funding (e.g. Infrastructure, fee-for-service charges to NSF-funded scientists) play in this vision?
- Have NSF officials attend the breakout sessions, take note of the discussion and concrete proposals made about existing NSF programs.

Appendix I. Meeting Agenda

Tuesday, September 26, 2023

8:00 – 9:00 Grand Pavilion	**Registration and Breakfast**
9:00 – 10:00 Grand Pavilion	**Joint Opening Session: NSF CSSI and CyberTraining** Session Chairs: **Christine Kirkpatrick**, University of California, San Diego **Geoffrey Fox**, University of Virginia Welcome: **Melissa Cragin**, Rice University Speakers: **Varun Chandola**, NSF Cyberinfrastructure for Sustained Scientific Innovation (CSSI) **Ashok Srinivasan**, NSF CyberTraining **Chaitan Baru**, NSF Directorate for Technology, Innovation, and Partnerships (TIP)
10:00 - 11:00 Grand Foyer	**Poster Session 1 / AM Break**
11:00 – 12:30 Grand Pavilion	**Panel 1: CSSI Success Stories & Lessons Learned on Software Sustainability** Session Chair: **Michael G. Zentner**, University of California, San Diego Speakers: **Kevin Eliceiri**, University of Wisconsin - Madison **Ilkay Altintas**, University of California, San Diego **DK Panda**, The Ohio State University **Ewa Deelman**, University of Southern California **Kenton McHenry**, University of Illinois at Urbana-Champaign
12:30 – 2:00 Grand Pavilion	**Networking Lunch**
2:00 – 3:30 Grand Pavilion	**Panel 2: CSSI to Support Transformation and Innovation in Science** Session Chair: **Roxana Margine**, Binghamton University Speakers: **Michela Taufer,** University of Tennessee **Gregory L. Wagner**, Massachusetts Institute of Technology **Daniel E. Osgood**, Columbia University **Stefan Henneking,** The University of Texas at Austin **Wissam Saidi**, University of Pittsburgh
3:30 – 4:00 Grand Foyer	**PM Break**
4:00 – 5:00 Briarpark 1	**Breakout Session 1** **Best practices in Collaborative Software Engineering and leveraging new technology** Moderator: **Carol X. Song**, Purdue University Speakers: **Jian Huang**, University of Tennessee **Tim Menzies**, North Carolina State **Carol X. Song**, Purdue University **Xian-He Sun**, Illinois Institute of Technology
4:00 – 5:00	**Breakout Session 2**

Briarpark 2	**Disruption, implications, and solutions related to AI foundation models** Moderator: **Dan Negrut**, University of Wisconsin-Madison Speakers: **Krishna Kumar**, University of Texas, Austin **Catherine Brinson**, Duke University **Nagarajan Kandasamy**, Drexel University
4:00 – 5:00 Briarpark 3	**Breakout Session 3** **Software Integration: leveraging existing open source projects** Moderator: **Douglas Thain,** University of Notre Dame
4:00 – 5:00 Grand Pavilion	**Breakout session 4** **Best practices in sustainability** Moderator: **Christine Kirkpatrick**, University of California, San Diego
5:00 – 7:00 Grand Foyer	**Poster Session 2** / **Reception**

Wednesday, September 27, 2023

8:00 – 9:00 Grand Pavilion	**Registration and Breakfast**
9:00 – 10:30 Grand Pavilion	**Joint Session: NSF CSSI and CyberTraining** **Broader Impacts – Creating and supporting diverse teams and communities** Session Chairs: **Geoffrey Fox**, University of Virginia **Christine Kirkpatrick**, University of California, San Diego Speakers: **Richard Alo,** Florida A&M University **Linda Hayden**, Elizabeth City State University, SGX3 **Dan Negrut**, University of Wisconsin-Madison **Sophie Kuchynka**, Equity Accelerator **Frederi Viens**, Rice University
10:30 – 11:30 Grand Foyer	**Poster Session 3 / AM Break**
11:30 – 12:30 Grand Pavilion	**Panel 3: Preparing students and the next generation to write software, conduct team science and reuse products** Session Chair: **Dan Negrut**, University of Wisconsin-Madison Speakers: **Jeff Carver**, University of Alabama **Julien Langou**, University of Colorado Denver **Ashley Ringer McDonald,** Cal Poly San Luis Obispo **Matthias Ihme**, Stanford University **Alex Nguyen**, University of California, San Diego
12:30 – 1:30 Grand Pavilion	**Networking Lunch**
1:30 – 3:00	**NSF Office Hours/Team Collaboration**

Appendix II. Poster List

(178 posters)

Tuesday, September 26, 2023 at 10-11 am

First Name	M	Last Name	Affiliation	Poster Title	Poster ID
Zlatan		Aksamija	University of Utah	CDS&E: Coupled Electro-Thermal Transport in Two-Dimensional Materials and Heterostructures	2302879
M. Joan		Alexander	NorthWest Research Associates	Improving the Understanding and Representation of Atmospheric Gravity Waves using High-Resolution Observations and Machine Learning	2004512
Anca		Andrei	Tufts University	Elements: Morpho-Cyberinfrastructure for scientists and engineers studying shape change	2003820
Ritu		Arora	Wayne State University	Elements: Basil: A Tool for Semi-Automatic Containerization, Deployment, and Execution of Scientific Applications on Cloud Computing and Supercomputing Platforms	2314203
Berkay		Aydin	Georgia State University	Elements: Spatiotemporal Analysis of Magnetic Polarity Inversion Lines (STEAMPIL)	2104004
Klaus	R	Bartschat	Drake University	Elements: NSCI-Software – A General and Effective B-Spline R-Matrix Package for Charged-Particle and Photon Collisions with Atoms, Ions, and Molecules	1834740

Amneet Pal	S.	Bhalla	San Diego State University	Collaborative Research: Frameworks: Multiphase Fluid-Structure Interaction Software Infrastructure to Enable Applications in Medicine, Biology, and Engineering	OAC 1931368, OAC 1931516, OAC 1931372, OAC 1931524
Sanjukta		Bhowmick	University of North Texas	Collaborative Research: Framework Implementations: CSSI: CANDY: Cyberinfrastructure for Accelerating Innovation in Network Dynamics	2104076
Volker		Blum	Duke University	DMREF: Collaborative Research: HybriD3: Discovery, Design, Dissemination of Organic-Inorganic Hybrid Semiconductor Materials for Optoelectronic Applications	1729297
Brian		Bockelman	Morgridge Institute for Research	CSSI Elements: EWMS - Event Workflow Management Service	2103963
Tom		Boettcher	University of Cincinnati	Extending the physics reach of LHCb by developing and deploying algorithms for a fully GPU-based first trigger stage	2004364 and 2004645
Catherine		Brinson	Duke University	Nanocomposites to Metamaterials: A Knowledge Graph Framework	CSSI-1835677
David		Cantu	University of Nevada, Reno	Elements: The ThYme database and identifying representative amino acid sequences that originate thioester-active enzyme families	2001385
Ankit		Chakraborty	The University of Texas at Austin	Elements:Software A Scalable Open-Source hp-Adaptive FE Software for Complex Multiphysics Applications	2103524

Kyle		Chard	University of Chicago	Collaborative Research: Sustainability: A Community-Centered Approach for Supporting and Sustaining Parsl	2209919
Charles		Cheung	University of Delaware	Elements: Community portal for high-precision atomic physics data and computation	1931339
In Ho		Cho	Iowa State University	Elements: Development of Assumption-Free Parallel Data Curing Service for Robust Machine Learning and Statistical Predictions	OAC-1931380
Eunseo		Choi	The University of Memphis	Elements: Developing an integrated modeling platform for tectonics, earthquake cycles and surface processes	2104002
Sergiu	M	Dascalu	University of Nevada, Reno	CSSI: Elements: Innovating for Edge-to-Edge Climate Services	OAC - 2209806
Ewa		Deelman	University of Southern California	SI2-SSI: Pegasus: Automating Compute and Data Intensive Science	1664162
Eugene		DePrince	Florida State University	Collaborative Proposal: Frameworks: Sustainable Open-Source Quantum Dynamics and Spectroscopy Software	OAC-2103705
Carlos		Fernandez-Granda	NYU	Elements: Collaborative Research: Community-driven Environment of AI-powered Noise Reduction Services for Materials Discovery from Electron Microscopy Data	2103936
Andreas	W	Goetz	University of California San Diego	Collaborative Research: Frameworks: Interoperable High-Performance Classical, Machine Learning and Quantum Free Energy Methods in AMBER	2209717

Ammar	H	Hakim	Princeton University	Collaborative Research: Frameworks: A Software Ecosystem for Plasma Science and Space Weather Applications	2209471
Chad	R	Hanna	Penn State	An A+ Framework for Multimessenger Astrophysics Discoveries through Real-Time Gravitational Wave Detection	2103662
Xubin		He	Temple University	Collaborative Research: Elements: ProDM: Developing A Unified Progressive Data Management Library for Exascale Computational Science	2311756/2311757/2311758
Hendrik		Heinz	University of Colorado Boulder	Collaborative Research: Framework: Cyberloop for Accelerated Bionanomaterials Design	OAC-1931587
Timo		Heister	Clemson University	Collaborative Research: Frameworks: Software: Future Proofing the Finite Element Library Deal.II -- Development and Community Building	2015848
Jian		Huang	University of Tennessee	Elements: Towards A Scalable Infrastructure for Archival and Reproducible Scientific Visualizations	2209767
David		Hudak	Ohio Supercomputer Center	Frameworks: Software NSCI-Open OnDemand 2.0: Advancing Accessibility and Scalability for Computational Science through Leveraged Software Cyberinfrastructure	1835725
Sarah	E	Huebner	University of Minnesota	Building the 21st Century Citizen Science Framework to Enable Scientific Discovery Across Disciplines	1835530
Mahmut	T	Kandemir	Penn State	CSSI Frameworks: Re-engineering Galaxy for Performance, Scalability and Energy Efficiency	OAC-1931531

Andreas		Kloeckner	University of Illinois	SHF: Small: Collaborative Research: Transform-to-perform: languages, algorithms, and solvers for nonlocal operators	SHF-1911019, SHF-1909176
Christopher		League	Long Island University	Bifrost: A CPU/GPU Pipeline Framework for High Throughput Data Acquisition and Analysis	2103771
Gerard		Lemson	Johns Hopkins University	Sustainability: Open SciServer: A Sustainable Data-Driven Science Platform	2311791
Dong		Li	UC Merced	Collaborative Research: Elements: SciMem: Enabling High Performance Multi- Scale Simulation on Big Memory Platforms	2104116
Guoyu		Lu	University of Georgia	Elements: A Deep Neural Network-based Drone (UAS) Sensing System for 3D Crop Structure Assessment	2104032
Yung-Hsiang		Lu	Purdue University	Collaborative Research: OAC Core: Advancing Low-Power Computer Vision at the Edge	2107020
Elena	Roxana	Margine	Binghamton University	Frameworks: An Interoperable Software Ecosystem for Many-Body Electronic Structure Calculations	2103991
Suresh		Marru	Georgia Institute of Technology	Collaborative Research: Frameworks: Cybershuttle: An end-to-end Cyberinfrastructure Continuum to accelerate Discovery in Science and Engineering	2209872
Gautham		Narayan	University of Illinois, Urbana-Champaign	Frameworks: SCiMMA: Real-time Orchestration of Multi-Messenger Astrophysical Observations	2311355

Dan		Negrut	University of Wisconsin-Madison	Collaborative Research: Frameworks: Simulating Autonomous Agents and the Human-Autonomous Agent Interaction	OAC2209791
Daniel	E	Osgood	Columbia University	Open-Source Cyberinfrastructure as a Decision Engine for Socioeconomic Disaster Risk (DESDR)	2103794
David		Parker	Cardiovascular Biomechanics Computation Lab	SimCardio: Open-Source, Multiphysics Cardiac Modeling and Simulation	1663671
Abani	K	Patra	Tufts University	Collaborative Research: Frameworks: Ghub as a Community-Driven Data-Model Framework for Ice-Sheet Science	2004302
Ashley		Ringer McDonald	Cal Poly San Luis Obispo and the Molecular Sciences Software Institute	The Molecular Sciences Software Institute	CHE-2136142
Amit		Roy-Chowdhury	University of California Riverside	SI2-SSI: LIMPID: Large-Scale IMage Processing Infrastructure Development	1664172
Xiulin		Ruan	Purdue University	Elements: FourPhonon: A Computational Tool for Higher-Order Phonon Anharmonicity and Thermal Properties	2311848
Wissam		Saidi	University of Pittsburgh	Elements: DeepPDB: An open-source automated framework to enable high-fidelity atomistic simulations in unexplored material space	2003808

Henry	F	Schreiner	Princeton University	Elements: Simplifying Compiled Python Packaging in the Sciences	2209877
Joe		Stubbs	TACC, UT Austin	Collaborative Proposal: Frameworks: Project Tapis: Next Generation Software for Distributed Research	1931439
Xian-He		Sun	Illinois Institute of Technology	Extending the HDF Library to Support Intelligent I/O Buffering for Deep Memory and Storage Hierarchy Systems	1835764
Emad		Tajkhorshid	University of Illinois at Urbana-Champaign	Characteristic Science Applications for the Leadership Class Computing Facility	2139536
Dingwen		Tao	Indiana University	CDS&E: Collaborative Research: HyLoC: Objective-driven Adaptive Hybrid Lossy Compression Framework for Extreme-Scale Scientific Applications	2303064
Douglas		Thain	University of Notre Dame	CSSI Elements: DataSwarm: A User-Level Framework for Data Intensive Scientific Applications	1931348
Antonios		Tsokaros	University of Illinois at Urbana-Champaign	Elements: An initial value solver for the era of multi-messenger astrophysics	OAK-2310548
Matteo		Turilli	Rutgers University; BNL	Elements: RHAPSODY: Runtime for Heterogeneous Applications, Service Orchestration and DYnamism	2103986
Byung-Jun		Yoon	Texas A&M University	Autonomous, Robust, and Optimal In-Silico Experimental Design Platform for Accelerating Innovations in Materials Discovery	1835690

Hui-Chia		Yu	Michigan State University	Elements: Open-Source Battery Electrode Simulation Toolkit using MFEM (BESFEM)	OAC2311466
Michael	G	Zentner	San Diego Supercomputer Center	Collaborative Research: Frameworks: Quakeworx - An extensible software framework for earthquake simulations	2311206, 2311207 and 2311208

Tuesday, September 26, 2023 at 5-7pm

Ritu		Arora	Wayne State University	COLLABORATIVE RESEARCH: EAGER: Towards Building a CyberInfrastructure for Facilitating the Assessment, Dissemination, Discovery, & Reuse of Software and Data Products	2314202
Klaus		Bartschat	Drake University	Frameworks: An Advanced Cyberinfrastructure for Atomic, Molecular, and Optical Science (AMOS): Democratizing AMOS for Research and Education	2311928
Brian	P	Bockelman	Morgridge Institute for Research	Elements: Kingfisher: Storage Management for Data Federations	2209645
Michelle	A	Borkin	Northeastern University	Collaborative Research: Elements: Enriching Scholarly Communication with Augmented Reality	2209624
Mark		Bowman	Las Cumbres Observatory	Frameworks: Target and Observation Manager Systems for Multi-Messenger and Time Domain Science	2209852
Lei		Cao	University of Arizona	Collaborative Research: ELEMENTS: Tuning-free Anomaly Detection Service	2103832
Franck		Cappello	U. Chicago	FZ: A fine-tunable cyberinfrastructure framework to streamline specialized lossy compression development	2311875

Kyle		Chard	University of Chicago	Frameworks: Collaborative Research: ChronoLog: A High-Performance Storage Infrastructure for Activity and Log Workloads	2104013
Kyle		Chard	University of Chicago	funcX: A Function Execution Service for Portability and Performance	2004894
Jingyi (Ann)		Chen	The University of Texas at Austin	Collaborative Research: Elements: Monitoring Earth Surface Deformation with the Next Generation of InSAR Satellites: GMTSAR	2209808
Laura	E	Condon	University of Arizona	Collaborative Research: Framework: Software: NSCI : Computational and data innovation implementing a national community hydrologic modeling framework for scientific discovery	1835794
Peter		Elmer	Princeton University	S2I2: Institute for Research and Innovation in Software for High Energy Physics (IRIS-HEP)	OAC-1836650
John	Andrew	Evans	University of Colorado Boulder	Collaborative Research: Elements: EXHUME: Extraction for High-Order Unfitted Finite Element Methods	2104106
Mattia		Gazzola	University of Illinois at Urbana-Champaign	Elastica - A software ecosystem for modeling, simulation, design, and control of soft, compliant, and heterogenous structures interacting with their environment	2209322
Jing		Guo	University of Florida	CDS&E: Machine-Learning-Driven Methods for Multiobjective and Inverse Design of van-der-Waals-Material-Based Devices	2203625
Jeff		Heflin	Lehigh University	Elements: CRISPS: Cell-Centric Recursive Image Similarity Projection Searching	2246463

Matthias		Heyden	Arizona State University	Elements: Streaming Molecular Dynamics Simulation Trajectories for Direct Analysis: Applications to Sub-Picosecond Dynamics in Microsecond Simulations	2311372
James	W	Hurrell	Colorado State University	Collaborative Research: Frameworks: Community-Based Weather and Climate Simulation With a Global Storm-Resolving Model	2005137
Matthias		Ihme	Stanford University	Enabling High-fidelity Turbulent Reacting-flow Simulations through Advanced Algorithms, Code Acceleration, and High-order Methods for Extreme-scale Computing	1909379
Nagaraja n		Kandasamy	Drexel University	Elements: Software Infrastructure for Programming and Architectural Exploration of Neuromorphic Computing Systems	2209745
Peter		Kasson	University of Virginia	SCALE-MS - Scalable Adaptive Large Ensembles of Molecular Simulations	1835780
Kerk	F	Kee	Texas Tech University	OAC Core: Small: Collaborative Research: Conversational Agents for Supporting Sustainable Implementation and Systemic Diffusion of Cyberinfrastructure and Science Gateways	OAC-2042054 and OAC-2042055
Marat		Khairoutdinov	Institute for Advanced Computational Science, Stony Brook University	Collaborative Research: Towards Better Understanding of the Climate System Using a Global Storm-Resolving Model	AGS-2218827
Mohammad		Khalid Jawed	University of California, Los Angeles	Collaborative Research: Elements: Discrete Simulation of Flexible Structures and Soft Robots	2209782, 2209784, 2209783
Latifur		Khan	University of Texas at Dallas	Frameworks: Infrastructure For Political And Social Event Data using Machine Learning	2311142

Lawrence	E	Kidder	Cornell University	Collaborative Research: Elements: A task-based code for multiphysics problems in astrophysics at exascale	OAC-2209655
Melissa		Kline Struhl	Massachusetts Institute of Technology	Cyberinfrastructure for Remote Data Collection with Children	2209756
Andreas		Kloeckner	University of Illinois	Elements: Transformation-Based High-Performance Computing in Dynamic Languages	OAC-1931577.
Krishna		Kumar	UT Austin	Elements: Cognitasium - Enabling Data-Driven Discoveries in Natural Hazards Engineering	2103937
Julien		Langou	University of Colorado Denver	Collaborative Research: Frameworks: Basic ALgebra LIbraries for Sustainable Technology with Interdisciplinary Collaboration (BALLISTIC)	2004850
Jonghyun		Lee	University of Hawaii at Manoa	Elements: ALE-AMR Framework and the PISALE Codebase	2005259
Jason		Leigh	University of Hawaii	Collaborative Research: CSSI Frameworks: SAGE3: Smart Amplified Group Environment for Harnessing the Data Revolution	2004014 | 2003800 | 2003387
Yongsheng		Leng	George Washington University	CDS&E: Computational Simulation and Cyber Software Development for Nanoscale Friction	1953171
Alexander		Lex	University of Utah	Collaborative Research: Framework: Software: HDR: Reproducible Visual Analysis of Multivariate Networks with MultiNet	1835904
Laura	E	Lindzey	University of Washington Applied Physics Laboratory	Making Ice Penetrating Radar More Accessible: A tool for finding, downloading, and visualizing georeferenced radargrams within the QGIS ecosystem	2209726

Bertram		Ludaescher	University of Illinois at Urbana-Champaign	TRAnsparency CErtified (TRACE): Trusting Computational Research Without Repeating It	2209628
T. Andrew		Manning	National Center for Supercomputing Applications, University of Illinois Urbana-Champaign	Frameworks: MUSES, Modular Unified Solver of the Equation of State	2103680
Madhav	V	Marathe	University of Virginia	Collaborative Research: Framework: Software: CINES: A Scalable Cyberinfrastructure for Sustained Innovation in Network Engineering and Science	OAC-1916805
Kenton		McHenry	University of Illinois at Urbana-Champaign	Collaborative Research: Frameworks: Democratized Cyberinfrastructure for Open Discovery to Enable Research (DeCODER)	2209863
Charles		Meneveau	Johns Hopkins University	Frameworks: Advanced Cyberinfrastructure for Sustainable Community Usage of Big Data from Numerical Fluid Dynamics Simulations	2103874
Barbara		Minsker	University of Illinois Urbana-Champaign	Clowder Open Source Customizable Research Data Management, Plus-Plus	1835834
David		Morse	University of Minnesota	Elements: Open-source tools for block polymer phase behavior	2103627
Michael	L	Norman	UC San Diego	Collaborative Research:Framework:Software:NSCI:Enzo for the Exascale Era (Enzo-E)	AST-1835402

Jeremy	C	Palmer	University of Houston	Collaborative Research: Elements: Multiparticle collision dynamics simulations of mesoscale hydrodynamic interactions in complex soft materials and environments	2310724, 2310725
Jignesh		Patel	Carnegie Mellon University	Towards Efficient Embedded Data Processing	1835446
Michele		Pavanello	Rutgers University - Newark	Collaborative Research: Elements: Flexible & Open-Source Models for Materials and Devices	1931473
Shiyu		Peng	California Institute of Technology	Elements: The PERTURBO Package: A Community Code for Electron Interactions and Dynamics in Materials	2209262
Amy		Roberts	UC Denver	Collaborative Research: Elements: Shared Data-Delivery Infrastructure to Enable Discovery with Next Generation Dark Matter and Computational Astrophysics Experiments	2104003
Yihan		Shao	University of Oklahoma	An Integrated Software Platform for Simulating Polariton Photochemical and Photophysical Processes	OAC-2311442
Isla		Simpson	NCAR	Cyberinfrastructure for streamlining coupled, simplified climate modeling within the Community Earth System Model	2004575
Carol	X	Song	Purdue University	Framework: Data: HDR: Extensible Geospatial Data Framework towards FAIR (Findable, Accessible, Interoperable, Reusable) Science	1835822
John	C	Stamper	Carnegie Mellon University	Collaborative Research: Frameworks for Intelligent Adaptive Experimentation: Enhancing and Tailoring Digital Education	2209819
Xian-He		Sun	Illinois Institute of Technology	OAC Core: LABIOS: Storage Acceleration via Data Labeling and Asynchronous I/O	2313154

Michela		Taufer	University of Tennessee	Collaborative Research: Elements: SENSORY: Software Ecosystem for kNowledge diScOveRY - a data-driven framework for soil moisture applications	2103845
Katsuyo		Thornton	University of Michigan	Elements: Data Driven Autonomous Thermodynamic and Kinetic Model Builder for Microstructural Simulation	2209423
Matteo		Turilli	Rutgers University; BNL	RADICAL-Cybertools: Middleware Building Blocks for NSF's Cyberinfrastructure Ecosystem.	1931512
Marc		Verhagen	Brandeis University	CSSI Elements: Towards a Robust Cyberinfrastructure for NLP-based Search and Discoverability over Scientific Literature	2104025
Frederi		Viens	Rice University	CSSI: Frameworks: Bayesian Analysis of Nuclear Dynamics	2004601
Yinzhi		Wang	Texas Advanced Computing Center	Collaborative Research: Frameworks: Seismic COmputational Platform for Empowering Discovery (SCOPED)	2103494

Wednesday, September 27, 2023 at 1030-1130 am

Rafal		Angryk	Georgia State University	Elements: Comprehensive Time Series Data Analytics for the Prediction of Solar Flares and Eruptions	NSF-OAC-1931555
Ryan	S	Baker	University of Pennsylvania	Collaborative Research: Frameworks: Cyber Infrastructure for Shared Algorithmic and Experimental Research in Online Learning	DRL-1931419
Sean	M	Bergin	Arizona State University	Frameworks: Collaborative Research: An Integrative Cyberinfrastructure Framework for Next- Generation Modeling Science	2103905
Henri		Casanova	University of Hawaii	Simulation-driven Evaluation of Cyberinfrastructure Systems	2103489

Steven	C	DeCaluwe	Colorado School of Mines	Frameworks: Extensible and Community-driven Thermodynamics, Transport, and Chemical Kinetics Modeling with Cantera: Expanding to Diverse Scientific Disciplines	1931584
Sheng		Di	University of Chicago	Collaborative Research: Elements: ROCCI: Integrated Cyberinfrastructure for In Situ Lossy Compression Optimization Based on Post Hoc Analysis Requirements	2104023
Yi		Ding	The University of Texas at Dallas	CDS&E: Collaborative Research: Private Data Analytics Synthesis, and Sharing for Large-Scale Multi-Modal Smart City Mobility Research	2003874
Oliver		Dunbar	California Institute of Technology	Collaborative Research: HDR: Data-Driven Earth System Modeling	1835860
Will		Engler	University of Chicago	Garden: A FAIR Framework for Publishing and Applying AI Models for Translational Research in Science, Engineering, Education, and Industry	2209892
Renato	J	Figueiredo	University of Florida	Elements: EdgeVPN: Seamless Secure Virtual Networking for Edge and Fog Computing	2004441, 2004323
Rainer	J	Fries	Texas A&M University	CSSI: Frameworks: X-Ion Collisions with a Statistically and Computationally Advanced Program Envelope (X-SCAPE)	2004571
Karthik Narayanan		Giriprasad	The Ohio State University	Elements: Data-Science Methods for Resource Allocation During Characterization of Dynamic Systems	2005012
Thomas		Haine	Johns Hopkins University	Collaborative Research: Framework: Data: Toward Exascale Community Ocean Circulation Modeling	1835640
Ryan		Jacobs	University of Wisconsin-Madison	Collaborative Research: Framework: Machine Learning Materials Innovation Infrastructure	1931298

Rajesh		Kalyanam	Purdue University	Elements: Data: U-Cube: A Cyberinfrastructure for Unified and Ubiquitous Urban Canopy Parameterization	1835739
Wolfgang	E	Kerzendorf	TARDIS RT	Elements: The TARDIS radiative transfer framework - A modeling toolkit for transients	2311323
Hyesoon		Kim	Georgia Tech	Elements:Open-source hardware and software evaluation system for UAV	2103951
Richard	J	Knepper	Cornell University	CSSI: Frameworks: Large Scale Atmospheric Research Using an Integrated WRF Modeling, Visualization, and Verification Framework (I-WRF)	OAC-2209711
Christopher	J.	Knight	The University of Chicago	Frameworks: Data-Driven Software Infrastructure for Next-Generation Molecular Simulations	2311260
Michelle	P	Kuchera	Davidson College	Elements: Portable Machine Learning Models for Experimental Nuclear Physics	2311263
Ratnesh		Kumar	Iowa State University	Elements: Agricultural Cyber-infrastructure support for Field and Grid Modeling, and Runtime Decision-Making	2004766
Pablo		Laguna	The University of Texas at Austin	Collaborative Research: Frameworks: The Einstein Toolkit Ecosystem: Enabling fundamental research in the era of multi-messenger astrophysics	2114582, 2004157, 2004044, 2004311, 2004879, 2003893
David		Lange	Princeton University	Elements: C++ as a service - rapid software development and dynamic interoperability with Python and beyond	1931408
Sanjiva	K.	Lele	Stanford University	Elements: AMR-H: Adaptive Multi-resolution High-order Solver for Multiphase Compressible Flows on Heterogenous Platforms	OAC-2103509

Xu		Liang	University of Pittsburgh	Collaborative Research: Frameworks: Building a collaboration infrastructure: CyberWater2—A sustainable data/model integration framework	2209833, 2209835, 2209834
Yung-Hsiang		Lu	Purdue University	CDSE: Collaborative: Cyber Infrastructure to Enable Computer Vision Applications at the Edge Using Automated Contextual Analysis	2104709
Christopher	M	Maffeo	University of Illinois at Urbana-Champaign	Elements: Enabling multi-resolution simulations at the interface of biology and nanotechnology with ARBD	2311550
Ryan		May	UCAR/Unidata	Elements: Scaling MetPy to Big Data Workflows in Meteorology and Climate Science	OAC-2103682
Tim		Menzies	NC State	Elements: Can Empirical SE be Adapted to Computational Science? Award Number	:1931425
William		Moses	MIT and University of Texas at Austin	Collaborative Research: Frameworks: Convergence of Bayesian inverse methods and scientific machine learning in Earth system models through universal differentiable programming	2103942
Nicholas	A	Murphy	Center for Astrophysics | Harvard & Smithsonian	Collaborative Research: Frameworks: An open source software ecosystem for plasma physics	1931388
Sirish		Namilae	Embry-Riddle Aeronautical University	Collaborative:Elements:Cyberinfrastructure for Pedestrian Dynamics-Based Analysis of Infection Propagation Through Air Travel	1931483
Isabel	R	Ojalvo	Princeton University	Elements: RAD Discoveries for Fundamental Physics	2209917
Gaby		Ou	University of Florida	Elements: Open Access Data Generation Engine for Bulk Power System under Extreme Windstorms	2004658

Shrideep		Pallickara	Colorado State University	Frameworks: Collaborative Proposal: Software Infrastructure for Transformative Urban Sustainability Research	1931363
Dhabaleswar	K	Panda	The Ohio State University	Collaborative Research: Frameworks: Performance Engineering Scientific Applications with MVAPICH and TAU using Emerging Communication Primitives	2311830
Vivak		Patel	University of Wisconsin -- Madison	Collaborative Research: Elements: A Cyberlaboratory for Randomized Numerical Linear Algebra	2309445
Jim		Pivarski	Princeton University	Framework: Awkward Arrays - Accelerating scientific data analysis on irregularly shaped data	2103945
Viktor		Prasanna	University of Southern California	Portable Library for Homomorphic Encrypted Machine Learning on FPGA Accelerated Cloud Cyberinfrastructure	2311870
Thomas		Quinn	Univ. of Washington	OAC Core: Small: Collaborative Research: Scalable distributed algorithms for tree structured astronomical data	1906829, 1910428
Chris	J	Rapier	Pittsburgh Supercomputing Center	Elements: HPN-SSH	2004012
Ponnuswamy		Sadayappan	University of Utah	OAC: Small: Data Locality Optimization for Sparse Matrix/Tensor Computations	2009007
Andre		Schleife	University of Illinois at Urbana-Champaign	Collaborative Research: Elements: GPU-accelerated First-Principles Simulation of Exciton Dynamics in Complex Systems	OAC-2209857
Benjamin		Seibold	Temple University	Flexible and Scalable Moment Method Simulations for Radiation Transport and Nuclear Medicine Applications	DMS-1952878

Nikolay	A	Simakov	SUNY University at Buffalo, Center for Computational Research	Elements: Development and Dissemination of a Slurm Simulator	2004954
Robert	S	Sinkovits	University of California, San Diego	Elements: Spatial Ecology Gateway	2104104
Seung Woo		Son	UMass Lowell	OAC Core: Improving Data Integrity for HPC Datasets using Sparsity Profile	2312982
Bige Deniz		Unluturk	Michigan State University	CDS&E: Novel Computational Models for Smart Wearable Blood Gas Monitor for Infants	OAC-2203827
Edward		Valeev	Virginia Tech	Production quality Ecosystem for Programming and Executing eXtreme-scale Applications (EPEXA)	1931387, 1931347, 1931384
Robert	A	van de Geijn	The University of Texas at Austin	Collaborative Research: Frameworks: Beyond the BLAS: A framework for accelerating computational and data science	CSSI-2003921
Dave		Vieglais	University of Kansas	Collaborative Research: Frameworks: Internet of Samples: Toward an Interdisciplinary Cyberinfrastructure for Material Samples	2004815, 2004839, 2004562, and 2004642
Yang		Wang	Carnegie Mellon University	Collaborative Research: Element:Development of MuST, a Multiple Scattering Theory based Computational Software for First Principles Approach to Disordered Materials	1931525
Michael		Widom	Carnegie Mellon University	Elements: Cyberinfrastructure for spin and charge transport calculation of partially disordered alloys	2103958
Yinghui		Wu	Case Western Reserve University	CRUX - CRowdsourced Materials Data Engine for Unpublished X-Ray Diffraction	2104007

Xianfeng		Yang	University of Maryland	OAC Core: Stochastic Simulation Platform for Assessing Safety Performance of Autonomous Vehicles in Winter Seasons	2234292
Charlie		Zender	University of California, Irvine	Elements: Advanced Lossless and Lossy Compression Algorithms for netCDF Datasets in Earth and Engineering Sciences (CANDEE)	OAC-2004993
Michael	G	Zentner	San Diego Supercomputer Center	CI CoE: SGX3 - A Center of Excellence to Extend Access, Expand the Community, and Exemplify Good Practices for CI Through Science Gateways	2231406
Zhao		Zhang	Texas Advanced Computing Center/Rutgers University	Collaborative Research: OAC Core: ScaDL: New Approaches to Scaling Deep Learning for Science Applications on Supercomputers	OAC-2106661
Jure		Zupan	University of Cincinnati	Elements: Machine Learning Quark Hadronization	OAC 2103889

Appendix III. Participant List

(234 registered, ~220 attended)

Gagan Agrawal, University of Georgia
Zlatan Aksamija, University of Utah
Metin Aktulga, Michigan State University
M. Joan Alexander, NorthWest Research Associates
Ilkay Altintas, SDSC, UC San Diego
Anca Andrei, Tufts University
Rafal Angryk, Georgia State University
Katie Antypas, NSF OAC
Mostafa Ardakani, University of Utah
Ritu Arora, Wayne State University
Raymundo Arroyave, Texas A&M University
Berkay Aydin, Georgia State University
Sharmistha Bagchi Sen, NSF
Ryan S Baker, University of Pennsylvania
Matt Barnett, Rice University
Klaus R Bartschat, Drake University
Chaitan Baru, National Science Foundation
Sean M Bergin, Arizona State University
Amneet Pal S. Bhalla, San Diego State University
Sanjukta Bhowmick, University of North Texas
Volker Blum, Duke University
Brian Bockelman, Morgridge Institute for Research
Tom Boettcher, University of Cincinnati
Michelle A Borkin, Northeastern University
Mark Bowman, Las Cumbres Observatory
Catherine Brinson, Duke University
Daniel Bullock, NSF
David Cantu, University of Nevada, Reno
Lei Cao, University of Arizona
Franck Cappello, University of Chicago
Jeff Carver, University of Alabama
Henri Casanova, University of Hawaii
Ankit Chakraborty, The University of Texas at Austin
Varun Chandola, National Science Foundation
Kyle Chard, University of Chicago
Guoning Chen, University of Houston
Jingyi (Ann) Chen, The University of Texas at Austin
Charles Cheung, University of Delaware
In Ho Cho, Iowa State University
Eunseo Choi, The University of Memphis
Julianne Christopher, San Diego Supercomputer Center, UC San Diego
Wai Tong Chung, Stanford University
Dirk Colbry, Michigan State University
Laura E Condon, University of Arizona

Melissa Cragin, Rice University
Sergiu M Dascalu, University of Nevada, Reno
Steven C DeCaluwe, Colorado School of Mines
Ewa Deelman, University of Southern California
Eugene DePrince, Florida State University
Sheng Di, University of Chicago
Yi Ding, The University of Texas at Dallas
Oliver Dunbar, California Institute of Technology
Gene Eberhardt, SDSC, UC San Diego
Kevin Eliceiri, University of Wisconsin at Madison
Peter Elmer, Princeton University
Will Engler, University of Chicago
Keivan Esfarjani, University of Virginia
John Andrew Evans, University of Colorado Boulder
Carlos Fernandez-Granda, NYU
Renato J Figueiredo, University of Florida
Rainer J Fries, Texas A&M University
Xing Gao, University of Delaware
Nicole Gasparini-she/her, Tulane
Mattia Gazzola, University of Illinois at Urbana-Champaign
Yolanda Gil, USC/ISI
Karthik Narayanan Giriprasad, The Ohio State University
Andreas W Goetz, University of California San Diego
Ulkuhan Guler, Worcester Polytechnic Institute
Jing Guo, META GOOGLE HA
Yuebin Guo,
Thomas Haine, Johns Hopkins University
Ammar H Hakim, Princeton University
Chad R Hanna, Penn State
Fred Harris, University of Nevada
Pedram Hassanzadeh, Rice U
Lynda Hayden, Elizabeth City State University, SGX3
Xubin He, Temple University
Jeff Heflin, Lehigh University
Hendrik Heinz, University of Colorado Boulder
Timo Heister, Clemson University
Stefan Henneking, The University of Texas at Austin
Daryl Hess, NSF
Matthias Heyden, Arizona State University
Jian Huang, University of Tennessee
Xiaoqin Huang, Rice University
David Hudak, Ohio Supercomputer Center
Sarah Huebner, University of Minnesota/Zooniverse
James W Hurrell, Colorado State University
Matthias Ihme, Stanford University
Ryan Jacobs, University of Wisconsin-Madison
Karan Jakhar, Rice University
Yuede (YJ) Ji, University of North Texas
Laxmikant Kale, University of Illinois

Rajesh Kalyanam, Purdue University
Nagarajan Kandasamy, Drexel University
Mahmut T Kandemir, Penn State
Peter Kasson, University of Virginia
Kerk F Kee, Texas Tech University
Wolfgang E Kerzendorf, TARDIS RT
Marat Khairoutdinov, Institute for Advanced Computational Science, Stony Brook University
Mohammad Khalid Jawed, University of California, Los Angeles
Latifur Khan, University of Texas at Dallas
Lawrence E Kidder, Cornell University
Hyesoon Kim, Georgia Tech
Byoung-Do (BD) Kim, University of Southern California
Christine Kirkpatrick, San Diego Supercomputer Center, UC San Diego
Melissa Kline Struhl, Massachusetts Institute of Technology
Andreas Kloeckner, University of Illinois
Richard J Knepper, Cornell University
Christopher J. Knight, The University of Chicago
Michelle P Kuchera, Davidson College
Sophie Kuchynka, Equity Accelerator
Krishna Kumar, UT Austin
Ratnesh Kumar, Iowa State University
Beomjin Kwon Kwon, Arizona State University
Pablo Laguna, The University of Texas at Austin
David Lange, Princeton University
Julien Langou, University of Colorado Denver
Christopher League, Long Island University
Jonghyun Lee, University of Hawaii at Manoa
Jason Leigh, University of Hawaii
Sanjiva K. Lele, Stanford University
Gerard Lemson, Johns Hopkins University
Yongsheng Leng, George Washington University
Alexander Lex, University of Utah
Dong Li, UC Merced
Juan (Jenny) Li, NSF
Xu Liang, University of Pittsburgh
Laura E Lindzey, University of Washington Applied Physics Laboratory
Hang Liu, Rutgers, The State University of New Jersey
Qing Liu, New Jersey Institute of Technology
Xiaobai Liu, San Diego State University
Luke Logan, Illinois Tech
Laura Lotter,
Yung-Hsiang Lu, Purdue University
Guoyu Lu, University of Georgia
Bertram Ludaescher, University of Illinois at Urbana-Champaign
Christopher M Maffeo, University of Illinois at Urbana-Champaign
Taps Maiti, Michigan State University
Adrian Maldonado, University of Chicago
Hoda Maleki, Augusta University
T. Andrew Manning, National Center for Supercomputing Applications, University of Illinois

Urbana-Champaign
Madhav V Marathe, University of Virginia
Elena Roxana Margine, Binghamton University
Suresh Marru, Georgia Tech
Ryan May, UCAR/Unidata
Kenton McHenry, University of Illinois at Urbana-Champaign
Charles Meneveau, Johns Hopkins University
Tim Menzies, NC State
Bill Miller, NSF/OAC
Barbara Minsker, Southern Methodist University
David Morse, University of Minnesota
William Moses, MIT and University of Texas at Austin
Nicholas A Murphy, Center for Astrophysics | Harvard & Smithsonian
Maggie Myers, UT Austin
Seonjin Na, Georgia Tech
Sirish Namilae, Embry-Riddle Aeronautical University
Gautham Narayan, University of Illinois, Urbana-Champaign
Dan Negrut, University of Wisconsin-Madison
Alexandre Nguyen, UC San Diego
Michael L Norman, UC San Diego
Isabel Ojalvo, Princeton University
Daniel E Osgood, Columbia University
Gaby Ou, University of Florida
Shrideep Pallickara, Colorado State University
Jeremy C Palmer, University of Houston
Dhabaleswar K Panda, The Ohio State University
David Parker, Cardiovascular Biomechanics Computation Lab
Vivak Patel, University of Wisconsin -- Madison
Jignesh Patel, Carnegie Mellon University
Abani K Patra, Tufts University
Michele Pavanello, Rutgers University - Newark
Shiyu Peng, California Institute of Technology
Marlon Pierce, National Science Foundation
Jim Pivarski, Princeton University
Viktor Prasanna, University of Southern California
Thomas Quinn, Univ. of Washington
Chris J Rapier, Pittsburgh Supercomputing Center
Ashley Ringer McDonald, Cal Poly San Luis Obispo and the Molecular Sciences Software Institute
Amy Roberts, UC Denver
Amit Roy-Chowdhury, University of California Riverside
Xiulin Ruan, Purdue University
Saday Sadayappan, University of Utah
Wissam Saidi, University of Pittsburgh
Andre Schleife, University of Illinois at Urbana-Champaign
Lynne Schreiber, SDSC, UC San Diego
Henry F Schreiner, Princeton University
Matthew Scotch Scotch, Arizona State University
Benjamin Seibold, Temple University
Yihan Shao, University of Oklahoma

Xuecheng Shao,
Nikolay A Simakov, SUNY University at Buffalo, Center for Computational Research
Isla Simpson, NCAR
Robert S Sinkovits, University of California, San Diego
Rob Sisneros, NCSA
Seung Woo Son, UMass Lowell
Carol X Song, Purdue University
John C Stamper, Carnegie Mellon University
Joe Stubbs, TACC, UT Austin
Alejandro Suarez, NSF
Xian-He Sun, Illinois Institute of Technology
Emad Tajkhorshid, University of Illinois at Urbana-Champaign
Ka-Ming Tam, Louisiana State University
Christine (CT) Tang, New Mexico Water Resources Research Institute at New Mexico State University|
Worcester Polytechnic Institute
Dingwen Tao, Indiana University
Michela Taufer, University of Tennessee
Hanna Terletska, Middle Tennessee State University
Douglas Thain, University of Notre Dame
Katsuyo Thornton, University of Michigan
Antonios Tsokaros, University of Illinois at Urbana-Champaign
Matteo Turilli, Rutgers University; BNL
Bige Deniz Unluturk, Michigan State University
Reha Uzsoy, NSF/CMMI
Edward Valeev, Virginia Tech
Robert A van de Geijn, The University of Texas at Austin
Marc Verhagen, Brandeis University
Dave Vieglais, University of Kansas
Frederi Viens, Rice University
Gregory Wagner, Massachusetts Institute of Technology
Yinzhi Wang, Texas Advanced Computing Center
Yang Wang, Carnegie Mellon University
Michael Widom, Carnegie Mellon University
Jack Wilburn, University of Utah
Yinghui Wu, Case Western Reserve University
ChunSheng Xin, NSF
Zhihan Xu, University of Southern California
Xianfeng Yang, University of Maryland
Byung-Jun Yoon, Texas A&M University
Hui-Chia Yu, Michigan State University
Charlie Zender, University of California, Irvine
Michael G Zentner, San Diego Supercomputer Center
Zhao Zhang, Texas Advanced Computing Center/Rutgers University
Shandian Zhe, University of Utah
Jure Zupan, University of Cincinnati