

Sustainable Scientific Software Conference

S3C

Seattle, WA • April 8-11, 2024 • Register by April 1, 2024

Call for presentations

Submissions due January 15, 2024

Acceptance Notifications to be sent on Feb 9, 2024

Analysts | Designers | Engineers

Application & Code Developers

DevOps Developers & CI/CD Engineers

System Administrators

The S³C committee is excited to host our third conference in 2024. All S³C sessions will be held within the National Laboratories Information Technology (NLIT) Summit 24 in Seattle, WA. Submit your abstract via the NLIT Summit website and present your take on what is going well, what needs to be improved, and/or what needs to be thought about.

Security in DevOps

- Security and DevOps (DevSecOps)

Understanding New Technologies for DevOps

- Containers
- The Role of AI in Scientific Software Development

Overcoming Challenges with Continuous Integration and Continuous Deployment

- Dependency Management
- DevOps of organizations
- Software Configuration Management
- Funding and Open-Source Pathways for Software Sustainability

DevOps Infrastructure for CI/CD

- DevOps infrastructure and pipeline development
- CI/CD in Practice at Government Labs
- Tools and Infrastructure for Integrated Software Development in HPC
- Heterogeneous System Workflows

Incorporating Applications After Deployment into Larger Workflows

- Outage Recovery

Scientific Software Development Challenges

- Research Software Engineering as a Career
- Software engineering for sustainable scientific software
- Coding For Graphics Processing Units (GPUs)
- Integrating Open-Source Software (OSS)

HPC System Management and DevOps

- System Management
- Optimizing jobs for HPC systems

DevOps Principle 2 of Continuous Feedback

- Programming the data center
- Data Centric Computing/Data Discovery

Building Successful Teams

- Human Resource Management for Technical Teams

Please visit <https://s3c.sandia.gov> for more examples of ideas per theme.

Talks are 20-40 minutes relating to an above theme, plus 10 minutes for Q&A.

There are five different presentation types available at NLIT: Traditional, Birds of a Feather, Workshops, Panel, and Lightning presentations.

Author information, lab association, and contact information will be published for attendees in the hopes of future interactions.

Email s3c_team@sandia.gov for more information.



fbcinc.com/e/nlit/default.aspx