ASC S³C will help connect individuals and teams from the ASC Tri-labs that are working to deliver scientific software solutions in a sustainable manner. Sustainable software delivery spans the spectrum of software engineering, from design and development to DevOps; and software deployment platforms, from laptops to High Performance Computing (HPC) systems.

**Themes**

**Software engineering for sustainable scientific software**
Adapting and applying software engineering best practices and principles to the development of scientific software. Examples may include test-driven development, Agile methodologies, version control, requirements engineering, and verification & validation graded approach.

**DevOps infrastructure development**
Processes and tools that teams have developed to enable or improve DevOps. Examples may include build systems, package managers, deployment promotion models, and dashboards.

**DevOps CI/CD pipeline development**
Processes and tools that software projects use to create continuous integration and deployment (CI/CD) pipelines. Examples may include multiple repository integration, workflow implementation, and pipeline automation.

**Data analytics in DevOps**
Methods and approaches that leverage data to improve software engineering, system response and DevOps pipelines. Examples may include performance analytics, code/system failure prediction and trend identification and response.

**Submission Guidelines**

Talks fall under one of four themes and are 20 minutes, plus 10 minutes for questions.

Workshops are 2- or 4-hour hands-on opportunities to train users to use software products or software engineering approaches.

Please indicate if you are submitting for a talk or workshop, including theme for a talk or length for a workshop.

Authors are asked to submit abstracts (300 word max) to ascsssc@sandia.gov.

**Deadline for submissions is April 8, 2022.**

We will notify acceptance of papers by April 29, 2022.

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

Please email ascsssc@sandia.gov for more information.

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