

BLUE WATERS

SUSTAINED PETASCALE COMPUTING

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Promoting Reusable Software: Webinars and Publications

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GREAT LAKES CONSORTIUM
FOR PETASCALE COMPUTATION

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The Challenge!

The breadth of available options is vast, and members of the community want to understand what software to apply to advance their research and education.

We are here to engage you in discussions about how we can best convey the wealth of options available to the community.

And we welcome and need your involvement!

Webinars

Blue Waters is offering an ongoing series of webinars covering the following topics:

- Petascale Application Improvement Discovery
- Scientific Software Ecosystems
- Scientific Visualization
- Scientific Workflows
- Software Engineering
- Workforce Development and Inclusion

We welcome submissions of topics on these and other petascale related topics to help advance discovery.

<https://bluewaters.ncsa.illinois.edu/webinars>

Webinars are offered throughout the year.

Registration is required so that we may track participation, and free of charge.

Participants may view the webinars via YouTube and pose questions to the presenters via Slack.

All sessions are recorded and made available via YouTube.

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Publishing Articles

Special issue on **Reusable Software** scheduled for
Computing in Science and Engineering (CiSE)

<https://www.computer.org/cise/2017/11/13/accelerating-scientific-discovery-reusable-software-call-papers/>

Letter of intent with abstract deadline: April 2, 2018

Full paper submission deadline: July 2, 2018

Publication: March/April 2019

Guest editors: Michael Folk (HDF Group), Daniel S. Katz (University of Illinois at Urbana-Champaign), Scott Lathrop (National Center for Supercomputing Applications), Lois Curfman McInnes (Argonne National Laboratory), and Andy Ray Terrel (NumFOCUS)

Goal:

Examine the state of reusable software, inform the community of the excellent resources available to advance research and education goals, and inform future directions for creating reusable software that is responsive to community needs for advancing discovery.

Active community participation is critical to improving, promoting, and expanding the use of reusable software.

We welcome and encourage submissions from the international community, including application scientists, software developers, and stakeholders.

Topics of interest:

- state-of-the-art
- how reusable software can advance discovery
- lessons learned
- developing and applying reusable software
- efforts in interoperability and community policies
- effective methods for addressing user requirements
- case studies that can be generalized
- strategies to address emerging technologies including extreme-scale computing
- collaborations among government, industry, and academia

Submissions Guidelines

Letters of intent with a one page abstract are requested in advance of full papers.

Contact the guest editors at cise2-2019@computer.org to ask whether your topic is suited for the special issue.

Please see the [CiSE-specific author guidelines](#) and the [general author guidelines](#).

Please submit electronically through [ScholarOne Manuscripts](#), selecting this special-issue option.

Questions?

Contact the guest editors at cise2-2019@computer.org.

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We hope to hear from you!

Please share other opportunities you know about to inform the community via webinars, publications, and other strategies to promote our collective work!!

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