

ISC19 Birds of a Feather on Software Engineering and Reuse in Computational Science and Engineering

Organizers					
David E. Bernholdt	Oak Ridge National Laboratory	Carina Haupt	DLR German Aerospace	Guido Juckeland	Helmholtz-Zentrum Dresden-Rossendorf (HZDR)
Mozhgan Kabiri Chimeh	University of Sheffield	Michael Heroux	Sandia National Laboratories and St. John's University	Jared O'Neal	Argonne National Laboratory
Anshu Dubey	Argonne National Laboratory and University of Chicago	Catherine Jones	Science and Technology Facilities Council	Jurriaan H. Spaaks	Netherlands eScience Center

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Motivation and Goals

- Software developers, researchers, trainers, and outreach staff will meet to **raise awareness of the challenges and opportunities for developing and promoting software engineering practices, including the development of reusable software** to enhance the computational science and engineering ecosystem for HPC systems to accelerate the “time to science”.
- The BoF attendees will help **develop an international “community of practice”** to share experiences in developing quality software, gathering community feedback, addressing interoperability, and promoting software to applications developers and users.
- We will identify strategies for ongoing efforts to inform, engage, and benefit the community and thereby advance the HPC software ecosystem.

BOF web site: <http://bit.ly/swe-cse-bof>

Mailing list signup: <https://swe-cse-bof.groups.io/>

Please give feedback on ISC web site!

Discussion notes: <http://bit.ly/swe-cse-notes>

Agenda

Time	Topic	Speaker/Moderator
3 min	BOF Introduction	David E. Bernholdt
15 min	Lightning Talks (6)	Anshu Dubey/5 speakers
37 min	General Discussion	David E. Bernholdt, audience
5 min	Wrap-Up and Next Steps	David E. Bernholdt, audience

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Agenda

Time	Topic	Speaker/Moderator
3 min	BOF Introduction	David E. Bernholdt
15 min	Lightning Talks (6)	Anshu Dubey/5 speakers
37 min	General Discussion	David E. Bernholdt, audience
5 min	Wrap-Up and Next Steps	David E. Bernholdt, audience

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Lightning Talks

	Topic	Speaker	Affiliation
1	HPC Carpentry in the UK	Chris Bording	IBM Research
2	Software Citation: State of the Practice and Challenges	Stephan Druskat	German Aerospace Center (DLR)
3	Portable HPC Workflows and Software re-use	Arnold Kuzniar	Netherlands eScience Center
4	Why you should put your code in a community registry	Jurriaan H. Spaaks	Netherlands eScience Center
5	Diversity Matters	Mozghan Kabiri Chimeh	University of Sheffield

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Lightning Talks

	Topic	Speaker	Affiliation
1	HPC Carpentry in the UK	Chris Bording	IBM Research
2	Software Citation: State of the Practice and Challenges	Stephan Druskat	German Aerospace Center (DLR)
3	Portable HPC Workflows and Software re-use	Arnold Kuzniar	Netherlands eScience Center
4	Why you should put your code in a community registry	Jurriaan H. Spaaks	Netherlands eScience Center
5	Diversity Matters	Mozghan Kabiri Chimeh	University of Sheffield

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Lightning Talks

	Topic	Speaker	Affiliation
1	HPC Carpentry in the UK	Chris Bording	IBM Research
2	Software Citation: State of the Practice and Challenges	Stephan Druskat	German Aerospace Center (DLR)
3	Portable HPC Workflows and Software re-use	Arnold Kuzniar	Netherlands eScience Center
4	Why you should put your code in a community registry	Jurriaan H. Spaaks	Netherlands eScience Center
5	Diversity Matters	Mozghan Kabiri Chimeh	University of Sheffield

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Lightning Talks

	Topic	Speaker	Affiliation
1	HPC Carpentry in the UK	Chris Bording	IBM Research
2	Software Citation: State of the Practice and Challenges	Stephan Druskat	German Aerospace Center (DLR)
3	Portable HPC Workflows and Software re-use	Arnold Kuzniar	Netherlands eScience Center
4	Why you should put your code in a community registry	Jurriaan H. Spaaks	Netherlands eScience Center
5	Diversity Matters	Mozghan Kabiri Chimeh	University of Sheffield

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Lightning Talks

	Topic	Speaker	Affiliation
1	HPC Carpentry in the UK	Chris Bording	IBM Research
2	Software Citation: State of the Practice and Challenges	Stephan Druskat	German Aerospace Center (DLR)
3	Portable HPC Workflows and Software re-use	Arnold Kuzniar	Netherlands eScience Center
4	Why you should put your code in a community registry	Jurriaan H. Spaaks	Netherlands eScience Center
5	Diversity Matters	Mozghan Kabiri Chimeh	University of Sheffield

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>

Agenda

Time	Topic	Speaker/Moderator
3 min	BOF Introduction	David E. Bernholdt
15 min	Lightning Talks (6)	Anshu Dubey/5 speakers
37 min	General Discussion	David E. Bernholdt, audience
5 min	Wrap-Up and Next Steps	David E. Bernholdt, audience

BOF web site: <http://bit.ly/swe-cse-bof>

Please give feedback on ISC web site!

Mailing list signup: <https://swe-cse-bof.groups.io/>

Discussion notes: <http://bit.ly/swe-cse-notes>