Introducing the
Computational Science & Engineering Software Forum
(cse-software.org)

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IDEAS productivity

SWE for CSE on HPC BOF @ SC15

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Offering a Home to the Community

cse-software.org

Computational Science & Engineering Software Forum

HOME   ANNOUNCEMENTS   WORKING GROUPS   JOIN

Computational Science & Engineering (CSE) Software Forum

Search

Who are we?

The Computational Science & Engineering (CSE) Software Forum is an international group of researchers and other stakeholders from national laboratories, academic institutions, and industry who are interested in (and concerned about) **development processes for software for computational science and engineering** and related technical computing areas, with a particular interest in CSE **on high-performance (parallel) computers.**

What are we doing?

We're creating a clearinghouse to **gather, discuss, and disseminate** experiences, techniques, tools, and other resources for the entire lifecycle of CSE software, from initial concept through the growth phase to maturity, re-investment, and eventually to retirement.

We want to **raise awareness** of the importance of good software practices to scientific productivity and to the quality and reliability of computationally-based scientific results, as well as raising awareness of the increasing challenges facing CSE software developers as high-end computing heads to extreme scales.

Many Forum members are active in **outreach** to the CSE community, not only raising awareness of the issues, but also providing practical guidance, training, and support to help software developers understand and address their particular software issues.

RECENT POSTS

wp-publications example

- Provide a location on the internet that practitioners of SWE for CSE on HPC can "gather" and communicate

- Not tied to a particular project

- Facilitate mutual awareness and collaboration

- Build a community resource

IDE**A**S productivity

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An Initial Vision for the CSE Forum

What is the CSE Forum Today?

- WordPress site

- Mailing lists
  - cse-forum@cse-software.org
  - cse-announce@csr-software.org

- *Ready to be molded*

Get Involved!
1. Go to http://cse-software.org
2. Sign up for the cse-forum mailing list
3. Continue today's discussions

What Could it Be?

- Event announcements

- Pointers to affiliated projects, people

- Working groups
  - Mailing lists
  - Space on web site

- CSE software bibliography and resource catalogs
  - Crowd sourced

- …

- *Growing and evolving*

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