

RSE-HPC workshops at SC'xy

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RSE HPC Community Birds of a Feather Session
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Motivation

- Raise awareness about research software engineers (RSEs) and research software engineering (RSEng) at SC, and in the HPC community
 - Help people who are RSEs and don't know it learn about the RSE community
 - Help HPC community as a whole better appreciate research software, RSEng, and RSEs
- Bring together RSEs and allies involved in HPC, from all over the world, to grow the RSE community by establishing and strengthening professional networks of current RSEs and RSE leaders
- Discuss current activities and plans of national RSE organizations
- Learn about successes and challenges that RSEs and RSE groups have experienced
- Discuss ways to increase awareness of RSE opportunities and improve support for RSEs

History

- [Research Software Engineers in HPC \(RSE-HPC-2020\)](#)
 - Virtual, half day, 12 submissions, all accepted as lightning talks or panelists
 - Program topics: Building RSE teams and groups, Supporting RSE careers
- [Research Software Engineers in HPC \(RSE-HPC-2021\)](#)
 - Hybrid, full day, 8 submissions, all accepted as short talks or panelists
 - Program topics: RSE support and training, RSE participation in HPC, Building RSE communities worldwide
- [Research Software Engineers in HPC \(RSE-HPC-2022\)](#)
 - Hybrid, half day, 5 submissions, all accepted as lightning talks
 - Program topic: How RSEs and HPC centers fit together
- [Research Software Engineers in HPC \(RSE-HPC-2023\)](#)
 - Hybrid, half day, 18 submissions, hard decisions coming
- Workshop lengths are what SC gives us; we keep asking for full days
- Program topics chosen based on both submissions and committee discussions
- Workshops have had keynotes, lightning talks, panels, breakout discussions

Accomplishments & impact

- RSEng and RSEs are now seen as a distinct and critical part of the HPC ecosystem by the HPC community
 - RSEs in HPC are increasingly aware that they are RSEs, and that HPC is significant part of RSEng
 - HPC center directors are increasingly getting on the RSE bandwagon, thinking of their RSEs as a strength of their center
- RSE awareness and participation has increased internationally
 - Particularly after the “Building RSE Communities Worldwide” panel at SC21
 - And there will be another RSE panel at SC23: "RSEs in HPC centers: funding, coordinating, doing," moderator D. S. Katz; panelists G. Allen, N. P. Chue Hong, A. Kennedy, F. Kon, M. Mundt