Parallel Applications Workshop, Alternatives to MPI+X

November 19th, 2021

Held in conjunction with SC21: The International Conference for High Performance Computing, Networking, Storage, and Analysis

In cooperation with:

Parallel Applications

Workshop

Alternatives to MPI+X
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SC21
St. Louis, MO | science & beyond.

TCHPC

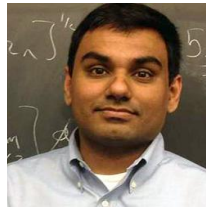
Our Panel

Barbara Chapman (HPE), OpenSHMEM

Alan Edelman (MIT), Julia

Eric Laurendeau (Polytechnique Montreal), Chapel

Modesto Orozco (IRB), Molecular Modelling and Bioinformatics



Nikhil Padmanabhan (Yale University), Physics and Astronomy

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Panel Goals

- Discussing real world applications that use other technologies for communication and computation
- Look at programming models and languages that are alternatives to MPI
- Understand strengths of these alternatives and applicability in the current HPC landscape
- Discuss obstacles in adopting these and find out how the community can help

OpenSHMEM

Barbara Chapman (HPE)

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TCHPC

Julia

Alan Edelman (Massachusetts Institute of Technology)

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Chapel

Eric Laurendeau (Polytechnique Montreal)

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Molecular Modelling and Bioinformatics

Modesto Orozco (Institute for Research in Biomedicine (IRB) Barcelona)

In cooperation with:

Chapel in Astronomy

Nikhil Padmanabhan (Yale University)

In cooperation with: