

The Xpert Network

Exchanging Computational Best Practices And Tools

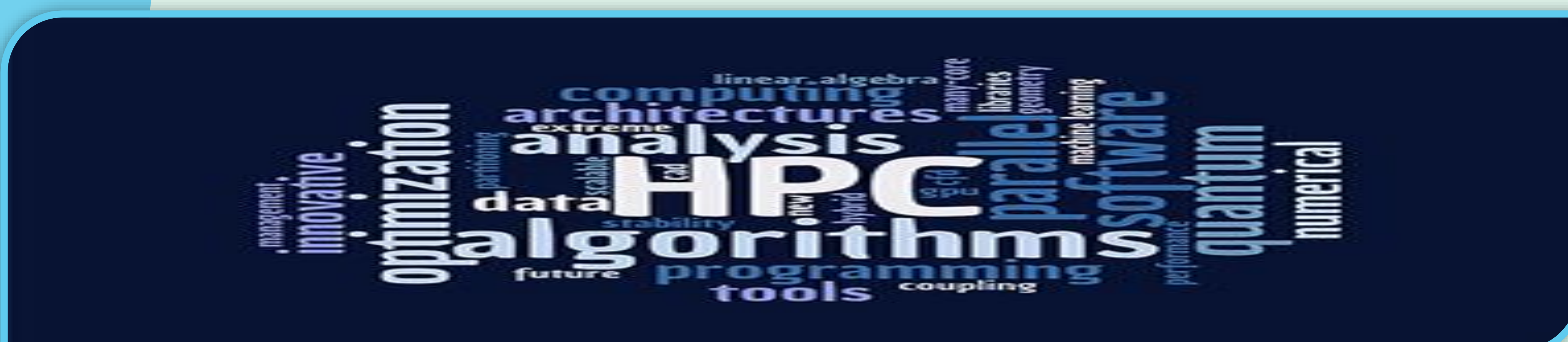
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Goal

- ❖ Advance science by increasing the productivity of researchers who use computational and data-intensive (CDI) research
- ❖ Develop a network for exchanging best practices in expert assistance and in the creation of supporting tool environment
- ❖ Create synergy among domain scientists and engineers and improve their toolbox



Motivation

- ❖ CDI research and engineering methods are key to success
- ❖ Domain scientists and engineers need help developing, optimizing and running CDI applications

What Will The Xpert Network Do?



Bringing
People
Together

- ❖ **Monthly online meetings:** CDI application experts (Xperts) will exchange best practices and open problems.
- ❖ **Face-To-Face Meetings:** To have In-depth discussions at major conferences (e.g., ICS, SC, PEARC).
- ❖ **Discussion Platform:** To Support communication of participants around the clock.
- ❖ **Exchange Program:** To support Participants visiting participants.

In The Future

- ❖ Putting together a proposal for a large community effort following the pilot project.

Who should Participate?

Members of large projects that maintain pools of CDI application experts

Developers of tools that support CDI methods

Join our Zoom Meetings!



Individuals that support CDI research of domain scientists on university campuses and other research organizations

Private-sector participants interested in advancing business and engineering CDI applications

What's On The Workshop Agenda?



Best Practices: sharing a success story of how they have helped a domain researcher in a way that made a difference

Open Problems: presenting a challenge faced when supporting CDI research.



Tool support: reporting on the use of a tool that has made a substantial difference in supporting the work of Xperts and domain researchers.

Outcomes

- ❖ A best-practices guide for computational and data-intensive research
- ❖ A catalog of tools that support CDI research and engineering

sites.udel.edu/xpert-cdi