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**WHPC**

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## From Message Passing to PGAS

### Objectives

- Develop a translator tool to transform MPI source into UPC++.
- Take advantage of UPC++ capabilities to benefit application performance.

### Impact

- Reduce communication costs in parallel scientific applications running on supercomputers.
- Enable domain scientists to obtain the performance benefits of the PGAS model, without having to become an expert.

### Accomplishments

- Successfully developed a working translator prototype that generates correct UPC++ version.



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