CALL FOR PAPERS

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The 8th International Conference on Partitioned
Global Address Space Programming Models (PGAS 2014)
http://nic.uoregon.edu/pgas14

October 7-10, 2014
University of Oregon and Hilton Eugene
Eugene, Oregon, USA

Held in cooperation with ACM SIGHPC

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Partitioned Global Address Space (PGAS) programming models offer a shared address space model that simplifies programming while exposing data/ thread locality to enhance performance. This facilitates the development of programming models that can deliver both productivity and performance. The PGAS conference is the premier forum to present and discuss ideas and research developments in the area of: PGAS models, languages, compilers, runtimes, applications and tools, PGAS architectures and hardware features.

Topics of interest include, but are not limited to:
- **Applications.** New applications that are uniquely enabled by the PGAS model, existing applications and effective application development practices for PGAS codes.
- **Performance.** Analysis of application performance over various programming models.
- **Developments in Programming Models and Languages.** PGAS models, language extensions, and hybrid models to address emerging architectures, such as multicore, hybrid, heterogeneous, SIMD and reconfigurable architectures.
- **Tools, Compilers, and Implementations.** Integrated Development Environments, performance analysis tools, and debuggers. Compiler optimisations for PGAS languages, low level libraries, memory consistency models. Hardware support for PGAS languages, performance studies and insights, productivity studies, and language interoperability.

The PGAS Programming Models Conference is dedicated to the presentation and discussion of research work in this field. Papers should report on original research, and should include enough background material to make them accessible to the entire PGAS research community. Papers describing experiences

should indicate how they illustrate general principles; papers about parallel programming foundations should indicate how they relate to practice.

Deadlines

* Paper submissions due: July 29, 2014
* Notification to authors of acceptance: September 1, 2014
* Camera-ready papers due: September 6, 2014
* Event takes place: October 7-10, 2014

Submissions

We are using EasyChair to manage submissions. The link to submit papers will be added to the conference home page in the near future.

Proceedings

The proceedings will be archived in both the ACM Digital Library and IEEE Xplore, by virtue of SIGHPC.

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