Chapel Lightning Talks 2013

The Chapel Community

November 20, 2013

Gameplan for this BoF

Ground rules

Lightning Talks (5 minutes each):
- *Chapel Overview*, Elliot Ronaghan
- *MiniMD in Chapel*, Brad Chamberlain
- *Programming Zero to Programming Hero …in Six Hours*, Tim Sttit
- *Chapel Futures*, Shams Imam
- *Chapel Over MPI-3*, Pavan Balaji
- *Competing with the Best: Using Auto-tuning to Refine the Performance of Chapel*, Ray Chen
- *Big Data in Chapel: Working with HDFS*, Michael Ferguson

Q&A

Questions?

Q: What does Chapel stand for?

A: *Cascade High Productivity Language*

Chapel at SC13

- **Emerging Technologies Booth** (all week)
  - Booth #3547: staffed by Chapel team members; poster and handouts

- ✓ **Poster** (Tues @ 5:15)**:** *Towards Co-Evolution of Auto-Tuning and Parallel Languages*
  - ✓ Posters Session: Ray Chen (University of Maryland)

- ✓ **Talk** (Tues @ 3:20): *Hierarchical Locales: Exposing the Node Architecture in Chapel*
  - ✓ KISTI booth (#3713): Sung-Eun Choi (Cray Inc.)

- ➢ **Chapel Lightning Talks BoF** (Wed @ 12:15)
  - ➢ 5-minute talks on education, MPI-3, Big Data, Autotuning, Futures, MiniMD

- **Talk** (Wed @ 4:30)**:** *Chapel, an Emerging Parallel Language*
  - HPC Impact Theatre (booth #3947): Brad Chamberlain (Cray Inc.)

- **Happy Hour** (Wed @ 5pm): *4th annual Chapel Users Group (CHUG) Happy Hour*
  - Pi Bar (just across the street at 1400 Welton St): open to public, dutch treat

- **HPC Education** (Thus @ 1:30pm): *High-Level Parallel Programming Using Chapel*
  - David Bunde (Knox College) and Kyle Burke (Colby College)

Resources For After Today

Chapel project page: http://chapel.cray.com
- papers, presentations, tutorials, language spec, …

Chapel SourceForge page: https://sourceforge.net/projects/chapel/
- release downloads, code repository, public mailing lists, …

IEEE TCSC Blog Series:
- *Myths About Scalable Parallel Programming Languages*

Mailing Lists:
- chapel_info@cray.com:
- chapel-users@lists.sourceforge.net: user-oriented discussion list
- chapel-developers@lists.sourceforge.net: dev.-oriented discussion
- chapel-education@lists.sourceforge.net: educator-oriented discussion
- chapel-bugs@lists.sourceforge.net chapel_bugs@cray.com : public/private bug forum