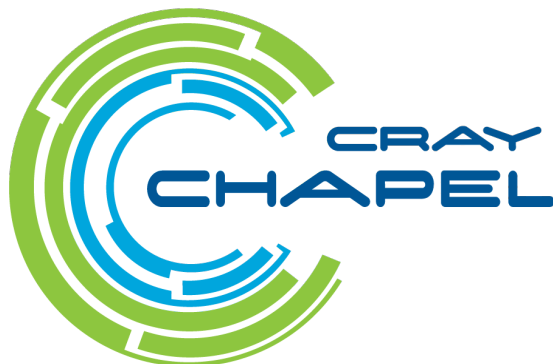




Chapel Lightning Talks 2014

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Richard Barrett, Sandia National Laboratories

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Ground rules

Welcome to Fight Club

1. You do not talk about Fight Club.
2. You DO NOT talk about Fight Club!
3. Someone yells "stop!", goes limp, taps out, the fight is over.
4. Only two to a fight.
5. One fight at a time.
6. ~~No shirts, no shoes.~~
7. Fights will go on as long as they have to.
...but after this lightning session, please.
CHUG at Mulate's Wednesday evening?
8. If this is your first time at Fight Club, you have to fight.



Gameplan for this BoF

Ground rules

Lightning Talks (5 minutes each):

- [Chapel Overview](#), Greg Titus
- [CoMD in Chapel](#): The Good, the Bad, and the Ugly, David Richards
- *Chapel for Python Programmers: How to stop worrying and love the curly bracket*, Simon Lund
- [Chapel Iterators: Providing Tiling for the Rest of Us](#), Ian Bertolacci
- [Chapel I/O: Getting to Your Data Wherever It Is](#), Tim Zakian
- [LLVM-based Communication Optimizations for Chapel](#), Akihiro Hayashi
- [COHX: Chapel on HSX + XTQ \(Adventures of a PGAS Language in a Heterogenous World\)](#), Deepak Majeti

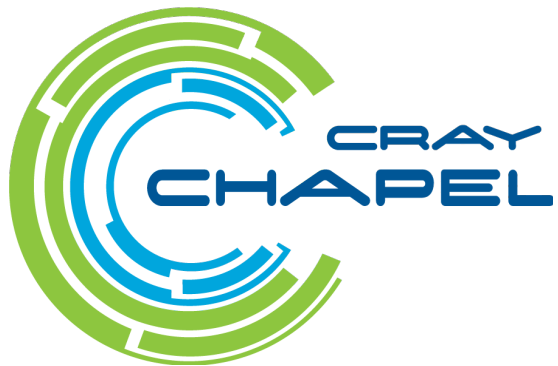
Discussion and questions



Who was the first ever Chapel user?



Questions?



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Chapel at SC14

Chapel Tutorial (Sun @ 8:30)

“A Computation-Driven Introduction to Parallel Computing in Chapel”

Hierarchical Locales Exhibit at Emerging Technologies Booth (all week, booth #233)

poster staffed by members of the Chapel team

Chapel Lightning Talks BoF (Tues @ 12:15, room 293)

5-minute talks on Chapel + HSA, HDFS/Lustre/cURL, tilings, LLVM, ExMatEx, Python

Talk on Hierarchical Locales (Tues @ 4:30, Emerging Technologies Theater, booth #233)

“Chapel Hierarchical Locales: Adaptable Portability for Exascale Node Architectures”, Greg Titus (Cray)

Poster on Advanced Tilings in Chapel (Tues @ 5:15, New Orleans Theater Lobby)

“Orthogonal Scheduling of Stencil Computations with Chapel Iterators”, Ian Bertolacci (Colorado State)

Chapel Users Group (CHUG) BoF (Wed @ 5:30, room 383-84-85)

Chapel overview and current events, followed by community Q&A and discussion

5th Annual CHUG Happy Hour (Wed @ 7:15, Mulate’s at 201 Julia St)

social gathering just across the way; open to general public, dutch treat

Participation in other BoFs:

- **LLVM in HPC** (Tues @ 12:15, room 283-84-85)
- **Programming Abstractions for Data Locality** (Wed @ 12:15, room 391-92)
- **PGAS: Partitioned Address Space Programming Model** (Wed @ 12:15, room 273)

