

Second FAST-OS Workshop

Workshop Goals

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HPC Context – What Fred said

- **Big iron**

- Clusters with hundreds of thousands of nodes
- Earth Simulator type machines
- Combination architectures based on PIMs or other new technologies

- **Big applications**

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- **CS is fun, but we have work to do**

Workshop Goals

- Should DOE initiate a research activity in HPC Operating Systems?
 - Why is shouldn't be done.
 - Why is must be done.
 - How it should be done.
- If so, how should this initiative be structured?

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Interactions

FAST-OS

Forum to Address Scalable Technology for runtime and Operating Systems

Steering Committee

- Barney Maccabe, chair, UNM
- Ron Brightwell, SNL
- Al Geist, ORNL
- Terry Jones, LLNL
- Rusty Lusk, ANL
- Ron Minnich, LANL

Oversight Committee

- Fred Johnson, DOE
- Paul Messina, Cal Tech
- Jose Munoz, DOE
- Thomas Sterling, Cal Tech
- Rick Stevens, ANL

<http://www.cs.unm.edu/fastos>

join the mailing list!

Agenda

■ Today

- Self Introductions
- Context
 - overall systems perspective
 - programming models
 - architecture

■ Tomorrow

- Indefensible positions
 - how to build the right kind of OS
 - issues that must be addressed
- Sorting out the issues
- Summary

Real Agenda

■ Today

- Break at 3:15
- Reception at 5:45
- Dinner at 6:30

■ Tomorrow

- Breakfast at 7:30
- Breaks at 10:30 and 3:30
- Lunch at 1:00