RTEMS Workshop Summary

Eric Norum

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RTEMS Workshop Summary

- Three speakers
  - Kate Feng, BNL
  - Dayle Kotturi, SLAC
  - Eric Norum, ANL
- About 40 attendees
- Overview of the history and development of RTEMS
- Demonstrations of RTEMS IOC startup and debugging
- Descriptions of RTEMS/EPICS applications
- Illustration of RTEMS BSP development

RTEMS Workshop Summary

- RTEMS is in use at several facilities
- RTEMS performance is comparable to that of vxWorks
- vxWorks is supported on a much wider range of hardware
  - Writing a board support package for RTEMS even for a complex board (MVME5500) is a 2- to 3-person-month job
- RTEMS provides a run-time environment similar to vxWorks
  - dynamic loading is possible
- Source level debugging of RTEMS applications is possible through gdb remote serial protocol stubs or, on some hardware platforms, through specialized debugging hardware

RTEMS Workshop Summary

Got an application requiring real-time response?

– RTEMS is worthy of consideration –