

2004 USENIX Annual Technical Conference: Extreme Linux Special Interest Group Session

Sponsored by USENIX, The Advanced Computing Systems Association

<http://www.usenix.org/usenix04>

June 27–July 2, 2004

Boston, Massachusetts, USA

Important Dates

Proposals due: *December 16, 2003, 11:59 p.m. EST*

Notification to authors: *February 4, 2004*

Camera-ready final papers due: *May 4, 2004*

Program Committee

Program Chair

Jon “maddog” Hall, *Linux International*

Peter Beckman, *Argonne National Laboratory*

Steven A. DuChene, *Consultant*

Dan Ferber, *SGI*

Michael Fitzmaurice, *Northrup/Grummond*

Forrest Hoffman, *Oak Ridge National Laboratory*

Matt L. Leininger, *Sandia National Laboratory*

Alain Roy, *University of Wisconsin, Madison*

Jennifer Schopf, *Argonne National Laboratory*

Mitchel Williams, *Sandia National Laboratory*

Overview

Extreme Linux will be a one- (or possibly two-) day special interest group session hosted as part of the 2004 USENIX Annual Technical Conference in Boston (June 27–July 2, 2004). The focus of Extreme Linux, as the name implies, will be on the use of SMP programming, Beowulf systems, NUMA machines, Hybrids (using both MPI and OpenMP), Superclusters, High Availability/Throughput and the Grid.

Topics

The Extreme Linux Program Committee solicits proposals for presentations and tutorials covering any of the following topics:

- ◆ How to build and balance any of the above systems
- ◆ Software for running and managing them
- ◆ Application Development libraries, tools, and techniques
- ◆ Hardware interconnects
- ◆ Case studies in both scientific and commercial applications (short 10–15 minute case studies are encouraged)
- ◆ Organization issues: Extreme Linux Users Groups
- ◆ Applications that show off the power of Linux-based superclusters
- ◆ Teaching/training techniques/programs for Extreme Linux

While we welcome research papers, we also welcome talks that show “how to” and supercluster success stories that might inspire others to try these techniques.

The Program Committee would like to see a couple of tutorials planned. We foresee the tutorials as (perhaps) one day on building/installing/managing a Beowulf system and another one-day tutorial on programming a Beowulf system, with emphasis on decomposing the problem. Tutorials on high-availability clusters and Grid computing administration, tools, and programming are also welcome.

Proposals for Birds-of-a-Feather sessions are welcome as well.

Submission Guidelines

In order to judge a proposal, the Program Committee requests a submission of a 2–3 page extended abstract of the proposed presentation. These abstracts must be submitted by December 16, 2003, via a Web form available at <http://www.usenix.org/events/usenix04/extreme.html>

While formal papers are requested, they are not required; in lieu of papers, camera-ready copies of the slides to be used in the presentation may be submitted by May 4, 2004. Formatting guidelines for papers may be found at <http://www.usenix.org/events/usenix04/freenixsubmit.html>.

Registration Materials

Complete program and registration information will be available in March 2004 on the conference Web site. The information will be available in both HTML and a printable PDF file.