

14th Systems Administration Conference (LISA 2000)

Sponsored by USENIX, the Advanced Computing Systems Association, and SAGE, the System Administrators Guild
<http://www.usenix.org/events/lisa2000>

December 3-8, 2000

New Orleans Marriott Hotel, New Orleans, Louisiana

Important Dates:

Extended abstracts due: *June 6, 2000*
Invited Talk proposals due: *June 6, 2000*
Workshop proposals due: *June 6, 2000*
Notification to authors: *July 10, 2000*
Final papers/Invited Talks due:
October 11, 2000

Conference Organizers:

Program Chairs

Remy Evard, *Argonne National Laboratory*
Phil Scarr, *GE-Fanuc Automation*

Program Committee

Jeff Allen, *WebTV Networks*
David Blank-Edelman, *Northeastern University*
Strata R. Chalup, *VirtualNet Consulting*
Trey Harris, *Mail.com*
Christine Hogan, *Imperial College*
Doug Hughs, *Auburn University*
Ruth Milner, *NRAO*
John Orthoef, *GTE Internetworking*
David Parter, *University of Wisconsin*
Josh Simon, *Collective Technologies*

Invited Talks Coordinators

Pat Wilson, *Dartmouth College*
Tom Limoncelli, *Lucent Technologies / Bell Labs*

Network Administration Symposium

Coordinators

Bill LeFebvre, *CNN Internet Technologies*
David Williamson, *Global Networking and Computing*

Security Symposium Coordinator

Simon Cooper, *SGI*
Cat Okita, *Globalcenter*

The Guru Is In Coordinator

Lee Damon, *Qualcomm*

The Only Conference By and For System Administrators

"A Depth and Breadth of Experience"

If LISA isn't the number one event on every system professional's calendar, it should be. As the only technical conference designed and run by veteran system administrators, LISA 2000 will offer a unique depth and breadth of technical expertise for hard-pressed system, network, and security administrators from sites of all sizes. The depth and breadth of experience of LISA attendees makes it an event unlike any other in the industry.

With the millennium hype behind us, LISA 2000 focuses on the future of the industry as the system administration

workforce is stretched to capacity and the demand for diverse skills increases. At LISA 2000, the tutorials, taught by leaders in their fields, will bring you up to speed with new skills or introduce you to the most advanced features of your favorite languages and tools. Refereed papers and invited talks offer insights into all areas of system administration. "Guru" and "Birds-of-a-Feather" sessions provide opportunities for individual advice and discussion.

In addition, the technical program has expanded with a new symposium track, focusing on two very specialized topics: Network Administration and Security. This new symposium track will highlight the trends, solutions, and breakthroughs in networking, security, and intrusion detection.

And, as always, the "hallway track" will be running for informal discussions with your peers and other experts in all areas of system administration.

How You Can Participate

Beyond attending LISA, we also invite you to submit a proposal for any of these conference events:

- Teaching a Tutorial
- Organizing a Workshop
- Writing a paper for the Technical Program
- Delivering an Invited Talk
- Coordinating a Symposium Track
- Participating in a Symposium

Conference Topics

The Program Committee invites you to join the contributors to the LISA XIV conference. Submissions of refereed papers or other presentations which address any and all aspects of system administration are acceptable. Here is a partial list of timely paper topics for potential authors:

Technology, Tools, and Techniques

- Innovative system administration tools and techniques
- Tips and tricks: new uses for old tools
- Distributed or automated system administration
- High availability and disaster recovery

- Scaling support of "open source" systems for servers and desktops
- Designing, selecting, scaling, integrating and managing "enterprise" computing services.
- Security (all aspects)
- Authentication systems
- Applications of tools, techniques and methods from other disciplines
- Integration of new networking technologies, protocols and applications
- Integration of emerging technologies
- Performance analysis and monitoring

Theory and Practice of System

Administration

- Methodology, paradigms and models for system administration
- Analysis of "best practices" in systems administration
- Analysis and comparison of alternative systems for systems administration tasks
- Case studies
- Application of scientific methods to systems administration
- Metrics for systems administration

The "Soft Science" of System

Administration

- System administration management issues
- Support strategies
- Effective hiring techniques
- Effective training techniques for system administration
- Budgeting, cost analyses and project planning/management techniques for systems administration
- The system administrator's role in the organization

Tutorial Program

Gain mastery of complex techniques and technologies, and you'll get immediate payoff within your organization. You can choose from up to 40 full- and half-day classes over three days. Whether you are a novice or senior systems administrator, you will be able to find a tutorial to meet your needs. Tutorials cover important topics such as: performance tuning, administering Windows NT, Perl, TCP/IP troubleshooting, security, networking, network services, sendmail, Samba, legal issues, and professional development.

Submitting A Tutorial Program Proposal

To provide the best possible tutorial offerings, USENIX continually solicits proposals for new tutorials. If you are

interested in presenting a tutorial at this or other USENIX conferences, please contact the tutorial coordinator: Daniel V. Klein (Tel: 1.412.421.0285; Fax: 1.412.421.2332; Email: dvk@usenix.org).

Workshops

For the past several years, the LISA conference has held limited-attendance workshops during the first few days of the week. These have included the popular "Advanced Topics Workshop", the "Global LISA" workshop, and, last year, a workshop on education issues. The format of these workshops vary, but can be thought of as focused Birds-of-a-Feather sessions that last for half a day or a full day.

Up to three workshops will be offered alongside the Tutorial Program at LISA 2000. If you are interested in organizing a LISA 2000 workshop, please submit a workshop proposal. The proposal should address the following questions/issues:

- 1) workshop organizers
- 2) topic/goals
- 3) format
- 4) projected attendance - limited (One workshop can be as large as 60 people; other workshops are limited to "roundtable" configuration)
- 5) target audience
- 6) how you will recruit participants
- 7) special needs, if any
- 8) anything else we should know

Please submit proposals via email to lisa2000chairs@usenix.org no later than June 6, 2000.

Technical Sessions

Three days of technical sessions feature parallel tracks of Refereed Papers, Invited Talks, the Symposium Track, and "The Guru is In" sessions for individual consultation with experts on specific topics. Refereed papers are published in the Proceedings (provided free to Technical Sessions attendees). Invited Talk and Symposium Track materials are made available online.

Cash Prizes

Cash prizes will be awarded at the conference for the best paper and for the best paper by a student. Prizes are for papers accepted to the refereed paper track.

Submitting an Invited Talk Track Proposal

If you have a topic of interest to systems administrators that is suitable for an invited talk, please submit a proposal to the Invited Talk coordinators. Please

email your proposal to: itlisa@usenix.org.

Invited Talk proposals due:

June 6th, 2000

Final copy due:

October 11, 2000

Submitting a Symposium Track Proposal

If you have a topic of interest that would fit into one of the two symposia (Network Administration or Security), please send e-mail to the appropriate address below.

Each symposium will have a structure similar to the LISA conference as a whole. Refereed papers should be submitted like any other refereed paper to be reviewed by the committee as a whole. Ideas for longer talks, panels, and other presentations should be submitted to the respective symposia chair.

Network Administration Symposium:

lisanetadm@usenix.org

Security Symposium:

lisasecadm@usenix.org

Work-in-Progress Reports

Do you have interesting work you would like to share, or a cool idea that is not yet ready to be published? The USENIX audience provides valuable discussion and feedback. We are particularly interested in presentation of student work. To schedule your short report, send email to: lisa-wips@usenix.org.

Birds-of-a-Feather Sessions

Birds-of-a-Feather sessions (BoFs) are very informal gatherings organized by attendees interested in a particular topic. BoFs are held Tuesday, Wednesday, and Thursday evenings. BoFs may be scheduled in advance by phoning the Conference Office at 1.949.588.8649 or via email to: conference@usenix.org. BoFs may also be scheduled at the conference.

What to Submit to the Refereed Track

A summary of two to four pages is required for the paper selection process. A summary should contain:

- A 1 paragraph abstract
- No more than 4 pages of text summarizing the final paper
- Any relevant charts or graphs

Full papers are not acceptable at this stage; if you send a full paper, you must also include the summary. Include appropriate references to establish that you are familiar with related work, and, where possible, provide detailed data to establish

that you have a working implementation or measurement tool.

Submissions will be judged on the quality of the written submission, and whether or not the work advances the state-of-the-art of system administration. Please consult the detailed author guidelines available on the conference Web site at: <http://www.usenix.org/events/lisa2000>.

Note that LISA, like most conferences and journals, requires that papers not be submitted simultaneously to more than one conference or publication, and that submitted papers not be previously or subsequently published elsewhere for a certain period of time. Papers accompanied by non-disclosure agreement forms are not acceptable and will be returned unread. All submissions are held in the highest confidence prior to publication in the conference proceedings, both as a matter of policy and as protected by the U.S. Copyright Act of 1976.

Every accepted paper must be presented at the conference by at least one author. Authors of an accepted paper must provide a final paper for publication in the conference proceedings. One author of each accepted paper receives complimentary technical session registration. Final papers are limited to 20 pages, including diagrams, figures and appendices. Complete instructions will be sent to authors of accepted papers.

To discuss potential submissions and for inquiries regarding the content of the conference program, contact any member of the program committee or the program chairs:

Remy Evard and Phil Scarr

Email: lisa2000chairs@usenix.org

Tel: (630) 252-5963 or (804) 978-5507

All submissions for LISA 2000 will be electronic. Please use the web form at: <http://www.usenix.org/events/lisa2000/cfp/submit.html>

Program and Registration Information

Complete program and registration information will be available by September 2000 at the conference website at: <http://www.usenix.org/events/lisa2000>. The information will be in a printable PDF file.

If you would like to receive the program booklet in print, please email your request, including your postal address, to conference@usenix.org.