3rd USENIX Windows NT Symposium

Sponsored by USENIX, the Advanced Computing Systems Association

July 12-14, 1999
Westin Hotel
Seattle, Washington

Symposium Web Site: http://www.usenix.org/events/usenix-nt99

Important Dates
Technical paper submission deadline: *February 23, 1999*
Notification of acceptance: *March 23, 1999*
Final papers due: *June 1, 1999*

Overview
Following the tradition established by two very successful symposia, the third Windows NT Symposium continues to provide a forum for the discussion of research and advanced engineering use of Windows NT. The symposium brings together 400 professionals from academic and industrial backgrounds who are actively involved in using or planning to use Windows NT and want to discuss ideas and share information, experiences, and results.

The symposium will include technical presentations of refereed papers, invited talks, informal Demo/Poster and Birds-of-a-Feather sessions, and tutorials. While proceedings will be published, the primary purpose of the symposium is to facilitate two days of useful interaction among the participants.

The symposium will be followed by a one-day, limited-attendance Advanced Research on Windows NT Workshop, where active researchers can share cutting-edge results and discuss the state of the art of Windows NT–specific research.

Topics
Papers that present research results, analyze problem areas, draw important conclusions from practical experience, or facilitate discussion are especially welcome. In addition to experience-centered papers, we solicit papers on a wide range of topics, including but certainly not limited to:

- **Applications:** Development and deployment of large applications environments
- **Manageability:** The use of various models, strategies and tools to address large scale Windows NT or mixed Windows NT networks, and large clusters of Windows NT machines.
- **Security:** Extending the Windows NT security model, and using Windows NT in highly secure environments.
- **Availability:** Experience and research into deploying mission critical applications on Windows NT.
- **Performance and scalability:** Pushing Windows NT to the limit. What is the limit? How to improve it?
- **Networking and distributed systems:** Experiences exploiting the Windows NT distributed technology and the design and use of new networking and distributed services.
- **File and database systems:** Exploiting the I/O systems' advanced functionality.
- **Graphics:** Using the OpenGL environment on Windows NT. Deploying traditional high-performance graphics applications on Windows NT.
- **User interfaces:** Developing new user interface paradigms for Windows NT
- **Hardware architectures:** The impact of hardware on NT OS software development advances in HAL development.
- **Programming environments:** Programming environments to exploit the wealth of Windows NT functionality.
- **Tools and utilities:** How to make Windows NT a highly productive system.
- **Porting and integration into existing environments:** The cost of porting vs. rewriting, tools, strategies, and trade-offs.

Symposium Organizers
Symposium Co-Chairs
Werner Vogels, *Cornell University*
Stephen Walli, *Softway Systems, Inc.*
Symposium Steering Committee
Michael B. Jones, *Microsoft Research*
Andrew Hume, *Bell Labs*
Thorsten von Eicken, *Cornell University*
Program Committee
Brian Bershad, *University of Washington*
Gary Campbell, *Compaq Computers, Inc.*
Andrew Chien, *University of California, San Diego*
Thorsten von Eicken, *Cornell University*
Jim Gray, *Microsoft Research*
Michael B. Jones, *Microsoft Research*
Sam Leffler, *VMWare, Inc.*
Richard Oehler, *IBM T. J. Watson Research Center*
Susan Owicki, *InterTrust Technologies Corporation*
Karin Petersen, *Xerox Palo Alto Research Center*
David Steere, *Oregon Graduate Institute*
Ramu Sunkara, *Oracle Corporation*
Rumi Zahir, *Intel Corporation*
Myron Zimmerman, *VenturCom, Inc.*

Advanced Workshop Committee
Todd Needham, *Microsoft Research*
Werner Vogels, *Cornell University*

Submitting a Technical Paper

We are soliciting technical papers of concepts, research, and experiences relevant to researchers using Windows NT. We particularly want to encourage researchers who have achieved major results using Windows NT to present them to the symposium. Even if the result itself has been reported elsewhere we encourage you to submit it here as well, although explicitly bringing out and focusing on, rather than downplaying, the role of Windows NT in the research. (Of course, verbatim resubmission of previously published manuscripts is forbidden.)

Note that USENIX conferences, 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. Papers accompanied by so-called "non-disclosure agreement" forms are not acceptable and will be returned to the author(s) unread. All submissions are held in the highest confidentiality prior to publication in the Proceedings, both as a matter of policy and in accord with the U.S. Copyright Act of 1976 (Title 17, U.S. Code, Section 102).

Best Paper Awards

Awards will be given for the best paper and best student paper at the conference.

What to Submit

Authors are requested to submit full papers by February 23, 1999.

Submitted papers should be no longer than 10 single spaced 8.5" x 11" pages, including figures, tables, and references. The paper should be submitted through email to **usenix-nt-submissions@usenix.org**.

The message containing the submission must have a subject line reading "NT symposium submission" and must begin with the following information in this format:

Title: (title of submission)
Authors: (names of all authors)
Contact: (primary contact for submission)
Address: (contact's full postal address)
Phone: (contact's telephone number)
Fax: (contact's fax number if available)
E-mail: (contact's email address — very important)
Student Authors: (which authors are full-time students)

Submissions must be in Microsoft Word'97, Postscript or PDF format and should be encoded for transport with either the uuencode or the MIME base64 encoding. Filenames used in your submission should be based on your last name, e.g. smith.doc and smith.html.

Receipt of submissions will be acknowledged by return email within one week; if an acknowledgment is not received please send email to **usenix-nt-questions@usenix.org**.

Advanced Research Workshop

Following the symposium, on July 14, a one-day workshop will be held to bring together researchers in intensive sessions to share research results, examine cutting edge performance achievements, and discuss problems and new research directions, all specific to Windows NT. To ensure effective interaction the workshop is limited to 30-40 participants, and attendance will be by invitation only. Researchers interested in participating are requested to submit an extended abstract describing their work. Details will be made available on the symposium web site:
http://www.usenix.org/events/usenix-nt99/.

Demo and Poster Session

The symposium will include a session where, in an informal setting, participants can present and demonstrate their work. Information on submitting Demo & Poster session proposals will be made available on the symposium web site:
http://www.usenix.org/events/usenix-nt99/.

Tutorials

On July 14, 1999, there will be full-day and half-day tutorials on topics relevant to researchers using Windows NT.

If you are interested in presenting a tutorial at the 3rd USENIX Windows NT Symposium, please contact the USENIX tutorial coordinator:

Daniel V. Klein
Email: **dvk@usenix.org**
Phone: 412.421.0285
Fax: 412.421.2332

Usage Abstracts

All symposium participants without an accepted paper will be requested to submit a one-page abstract or summary via the symposium web site at the time they register describing what they are doing or considering doing with Windows NT. These abstracts will be made available on the symposium web site before the symposium and will also be distributed in paper form to attendees. The abstracts are intended to facilitate communication among attendees, helping people find others with similar interests or problems.

Program and Registration Materials

Materials containing all details of the symposium program, registration fees and forms, and hotel information will be available by April, 1999. If you wish to receive materials in print, please contact:

USENIX Conference Office
22672 Lambert Street, Suite 613
Lake Forest, CA 92630
(949) 588-8649
Fax: (949) 588-9706
Email: **conference@usenix.org**
URL: **http://www.usenix.org**

Questions

If you have questions about the symposium that are not addressed by the symposium web site:
http://www.usenix.org/events/usenix-nt99/, send mail to **usenix-nt-questions@usenix.org**.