

2nd JavaTM* Virtual Machine Research and Technology Symposium (JVM '02)

<http://www.usenix.org/events/jvm02>

August 1-2, 2002

Marriott Hotel, San Francisco, California, USA

Important Dates

Paper submissions due: *February 4, 2002*

Notification of acceptance: *March 12, 2002*

Camera-ready final papers due: *May 28, 2002*

Symposium begins: *August 1, 2002*

Conference Organizers

Program Chair

Sam Midkiff, *IBM T.J. Watson Research Center*

Program Committee

Shameem Akhter, *Intel*

Urs Gleim, *Siemens*

David Hardin, *Ajile Systems*

Michael Hind, *IBM T.J. Watson Research Center*

Jaejin Lee, *Michigan State University*

Bernd Mathiske, *Sun Microsystems*

Eliot Moss, *University of Massachusetts, Amherst*

Bill Pugh, *University of Maryland*

Matt Welsh, *University of California, Berkeley*

Saul Wold, *Sun Microsystems*

Overview

For the 2nd JavaTM Virtual Machine Research and Technology Symposium, we invite the submission of quality papers describing research or experiences with the JavaTM Virtual Machine. Research papers should describe original work that offers significant contributions to the state of JVMs. Experience papers should describe general insights gained from porting, integrating, or tuning JVMs – insights that can be applied by other practitioners in the field. Submitted papers should make substantial contributions to the field and be useful to members of both the research and industrial communities.

This symposium will have 2 days of technical sessions. Sessions will include presentations by invited speakers and authors of refereed papers, as well as the popular Work-in-Progress session.

JVM '02 will emphasize research and advanced engineering techniques applicable to the development of Java Virtual Machines, with an emphasis on experimental results. A Symposium Proceedings will be printed and distributed to attendees. Following the symposium, the proceedings will be available online for USENIX members, and available for purchase.

Awards for the best paper and the best paper that is primarily the work of a student are presented at the Symposium.

Topics

Relevant topics for JVM '02 include, but are not limited to the following:

- ◆ Alternate VM implementation
- ◆ Hardware implementation
- ◆ JITs and Execution Engines
- ◆ Compilation Models
- ◆ Security and VM issues
- ◆ Garbage Collection techniques
- ◆ Small JVM (á la JavaCard and JVM's for embedded systems)
- ◆ Large JVM and Server Issues (scalability and availability)
- ◆ Porting Experience Improvements
- ◆ Performance Issues and Tuning Techniques
- ◆ Proposed standards, particularly empirical studies

Questions about the relevance of a topic may be addressed to the Program Chair at
jvm02chair@usenix.org

What to Submit

Submissions should be full papers, 10 to 14 pages (around 5,000-6,000 words) in length. Late and too long papers will be rejected. All submissions will be judged on originality, significance, relevance, correctness, and clarity. Each submission must include the paper title, the contact author, email and regular addresses, and a phone number. For more information, please read the detailed author guidelines located on the Symposium Web site.

The JVM symposium, like most conferences and journals, requires that papers (or significantly similar papers) not be submitted simultaneously to any other conference or publication, that submissions not be previously published, and that accepted papers not be subsequently published elsewhere for a year from date of acceptance by USENIX. Papers accompanied by 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.

How to Submit

Web-based electronic submission will be expected. Submissions should be in Postscript that is interpretable by Ghostscript or in PDF that is interpretable by Acroread, and should be printable on US Letter sized paper. The Web form for submissions will be available on the Symposium Web site in September. All submissions will be acknowledged.

Submitters for whom web submission is a hardship should contact the Program Chair for alternative means of submission at jvm02chair@usenix.org.

Work-in-Progress Reports

The JVM Symposium will include a session on “work in progress” (WiP) to introduce new ideas to the community and solicit early feedback. We are particularly interested in the presentation of student work and bleeding edge VM implementation and intergration in both software and hardware. WiP abstracts will be lightly screened to facilitate focused discussions during the session. The submission process for WiP abstracts

will begin in May 2002. Full submission information will be available at the symposium Web site.

Birds-of-a-Feather Sessions

Birds-of-a-Feather sessions (BoFs) are very informal gatherings organized by attendees interested in a particular topic. BoFs will be held in the evening. BoFs may be scheduled in advance by phoning the Conference Office at +1 (510) 528-8649 or via email to conference@usenix.org. BoFs may also be scheduled at the symposium.

Registration Materials

Complete program and registration information will be available in April 2002 here on the symposium Web site. The information will be in both html and 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.