Call for Papers
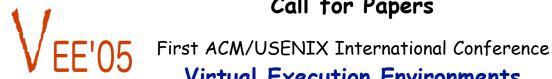
VEE'05

First ACM/USENIX International Conference
Virtual Execution Environments
(VEE'05)

joining ACM SIGPLAN IVME and USENIX VM and in cooperation with ACM SIGOPS
Sponsored by ACM SIGPLAN and USENIX
www.veeconference.org

held in conjunction with PLDI 2005
June 11-12, 2005, Chicago, Illinois

Research results on virtual execution engines are scattered among a number of different venues in the languages (VM, PLDI, OOPSLA, IVME, ICFP), operating systems (SOSP, OSDI), and architecture (ASPLOS, CGO, PACT) communities. The organizers of the USENIX VM Symposium and the ACM SIGPLAN IVME Workshop felt the needs of the community would be better served by having a single first-rate conference address a breadth of issues related to virtual execution environments. Thus, we are happy to announce a new annual event: the ACM/USENIX Conference on Virtual Execution Environments (VEE). The initial instantiation of VEE will be co-located with PLDI 2005 in Chicago, Illinois. Future instances of the conference will be held jointly with OS or architecture conferences.

VEE promises to be a unique forum that brings together leading practitioners and researchers in the broad area that includes topics such as interpreters, high-level language virtual machines (JVM, CLR, etc.), machine emulators, translators, and machine simulators. Papers are solicited in areas including, but not limited to, the following:

- Dynamic and high-level languages
- Domain specific languages
- Execution environments for trusted computing
- Portable or retargetable interpreters
- Dynamic compilation techniques
- Binary translation and optimization systems
- Mixed-mode interpretive/compiled systems
- Distributed execution environments

- Software-based architecture simulators
- Hardware implementations of VMs
- Machine emulators
- Real-time and embedded environments
- Garbage collection
- VMs in servers and cluster environments
- VM interactions in multi-VM environments
- Scalability, simplicity and correctness issues
- Experience reports

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Important Dates
Submission Deadlines: February 18, 2005
Author notification: March 28, 2005
Final paper due: April 15, 2005

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