

Memory Management Network



Garbage Collection & Memory Management Summer School

20-21 July 2004 Canterbury, UK

The performance of today's memory-hungry applications depends on efficient dynamic memory management, whether managed explicitly through new/delete or automatically by a garbage collector. With the increasing use of managed code, whether Java Virtual Machines or Microsoft's Common Language Runtime, the economic importance of automatic memory management has never been greater.

The Summer School provides participants with an opportunity to hear leading practitioners from both industry and universities. The school is directed at postgraduate research students, academics who wish to get involved in this field and industrial researchers and developers who want to apply state of the art memory management techniques to real problems.

Speakers



David Bacon is a Research Staff Member at IBM's T.J. Watson Research Center. He focuses on real-time and concurrent garbage collection, embedded systems, programming language design...



Emery Berger is an Assistant Professor at the University of Massachusetts. He invented Hoard, a widely-used scalable memory manager that dramatically improves the performance of multi-threaded...



Hans Boehm is the primary author of the a garbage collector library widely used, both directly by C and C++ applications and as part of the runtime for a number of language implementations including libgcj...



Dave Detlefs is a Senior Staff Engineer, and Principal Investigator of the the Java Technology Research Group in Sun Labs where he has worked on garbage collection, JIT compilation and synchronisation.



Rick Hudson is an engineer at Intel. A coinventor of the "train algorithm", he envisions using runtime memory management mechanisms to improve cache and shared memory multi-processor performance...



Richard Jones is a Senior Lecturer at the University of Kent. The author of the Garbage Collection book, he is Coordinator of the UK Memory Management Network. Recent work includes the Beltway framework.



Eliot Moss is an Associate Professor at the University of Massachusetts. His research interests include programming language design and implementation, memory management and garbage collection,



Ryan Sciampacone leads the memory management effort for IBM's J9 Java Virtual Machine, where he is principally responsible for the design and implementation of Modron, its scaling memory management framework.

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