Introduction to the 9th International Workshop on Java^{tm} and Components for Parallelism, Distribution and Concurrency

This series of workshops was born at IPPS'98 that was held in Orlando, Florida, in April 1998, where it appeared that Java was becoming more and more important for the IPPS/SPDP community, i.e. for parallel and distributed computing. Many of the papers that were presented in Orlando referred to Java. Furthermore the attendance of the tutorial on Parallel and Distributed Computing Using Java that was given there clearly demonstrated the widespread interest.

This workshop is the nineth in the series. The first edition was held in Puerto Rico in 1999, the second in Cancun in 2000, the third in San Francisco in 2001, the fourth in Fort Lauderdale in 2002, the fith in Nice, the sixth in Sante Fe in 2004, the seventh in Denver and the heighth in Rhodes. It focuses on Java and components for parallelism, distribution and concurrency. One of its aims is to bring together the IPDPS community around Java and component technologies, and to provide an opportunity to share experience and views of current trends and activity in the domain.

This year we decided to change the name of the workshop. It is now called *International Workshop on Java and Components for Parallelism, Distribution and Concurrency* instead of *International Workshop on Java for Parallel and Distributed Computing*. The goal of this change is to reflect the evolution of the domain.

The topics currently covered are: Java and components, Components, Java for parallel and distributed computing; Internet for parallel and distributed computing; Programming/communication/distribution libraries; Software tools and environments; Code transformations, compilers, optimizations, etc.; Real world distributed and parallel applications based on Java; Reflection; Meta-computing; Theoretical foundations and formal methods; Compiler technology and performance issues; Real-time applications; Multi-agent systems; Data mining and financial applications; Software portability, components, and reuse; Standards for object interoperability; Embeded Java and wireless devices, seamless distributed computing environments; Java for global computing, the Web and the Grid; Java extensions for distributed computing.

Once again this year, we have papers that describe existing implementations or work in progress, or outline new problems or important issues.

Program Co-chairs

Denis Caromel, Université de Nice Sophia Antipolis, France
Serge Chaumette, Université Bordeaux I, France
Geoffrey Fox, Community Grids Laboratory, USA
Peter Graham, University of Manitoba, Canada

Program Committee

The program committee is composed of the four co-chairs and:

Jack Dongarra, University of Tenessee, USA
Doug Lea, State University of New York at Oswego, USA
Vladimir Getov University of Westminster, London, U.K.
in charge of publicity for Europe
George K. Thiruvathukal, Loyola University,Chicago, USA
in charge of publicity for the US
David Walker, Cardiff University, UK

Organization Committee

The organization committee is additionaly composed of:

Arnaud Casteigts, Université Bordeaux I, France