Workshop Description

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 fifth 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, and the fifth in Nice (France) in 2003. It focuses on Java for parallel and distributed computing and supportive environments. One of its aims is to bring together the IPDPS community around Java and Java based technologies, and to provide an opportunity to share experience and views of current trends and activity in the domain. Each year, new topics are being added to the scope of the workshop; for instance we recently introduced topics on embedded Java and wireless devices used to setup seamless computing environments, on Java extensions for distributed computing, and on global computing, the Web and Java.

Topics of interest include but are not restricted to:

- 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
- Embedded Java and wireless devices, seamless distributed computing environment
- Java for global computing, the Web and the Grid
- Java extensions for distributed computing

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