

The 22nd European MPI Users' Group Meeting

2015 EURO



SEPTEMBER 21-24

MPI
BORDEAUX, FRANCE



CONFERENCE
WORKSHOPS

EuroMPI is the preeminent meeting for users, developers and researchers to interact and discuss new developments and applications of message-passing parallel computing, in particular in and related to the Message Passing Interface (MPI). The annual meeting has a long, rich tradition, and has been held in European countries. Following a 21st edition that took place in Japan, the 22nd meeting edition shall be back on European soil, in Bordeaux, France.

TOPICS

- MPI implementation issues and improvements towards exascale computing, such as manycores, GPGPU, and heterogeneous architectures
- Extensions to and shortcomings of MPI
- Hybrid and heterogeneous programming with MPI and other interfaces
- Interaction between message-passing software and hardware, in particular new high performance architectures
- MPI support for data-intensive parallel applications
- New MPI-IO mechanisms and I/O stack optimizations
- Fault tolerance in message-passing implementations and systems
- Performance evaluation for MPI and MPI-based applications
- Automatic performance tuning of MPI applications and implementations
- Verification of message-passing applications and protocols
- Applications using message-passing, in particular in Computational Science and Scientific Computing
- Parallel algorithms in the message-passing paradigm
- New programming paradigms implemented over MPI, like hierarchical programming and global address spaces
- MPI parallel programming in clouds
- MPI applications performance on clouds

KEY DATES

Workshop proposals due: March 21st, 2015
Workshop notification: March 31st, 2015
Submission of full papers and poster abstracts:
May 4th, 2015
Author notification: June 12th, 2015
Camera Ready papers due: June 29th, 2015
Tutorials: September 21st, 2015
Conference: September 22nd-24th, 2015



More information eurompi2015.bordeaux.inria.fr
Organization : Inria Bordeaux Sud-Ouest

