

# EuroPVM/MPI 2008 Call for Papers



15th European PVMMPI Users' Group Meeting

Dublin, Ireland, September 7 - 10, 2008

Web: <http://pvmmmpi08.ucd.ie>

Organized by [UCD School of Computer Science and Informatics](#)

Submission website:

<http://www.easychair.org/conferences/?conf=europvmmmpi2008>

## BACKGROUND AND TOPICS

PVM (Parallel Virtual Machine) and MPI (Message Passing Interface) have evolved into the standard interfaces for high-performance parallel programming in the message-passing paradigm. EuroPVM/MPI is the most prominent meeting dedicated to the latest developments of PVM and MPI, their use, including support tools, and implementation, and to applications using these interfaces. The 15th European PVM/MPI Users' Group Meeting will be a forum for users and developers of PVM, MPI, and other message-passing programming environments. Through the presentation of contributed papers, vendor presentations, poster presentations and invited talks, attendees will have the opportunity to share ideas and experiences to contribute to the improvement and furthering of message-passing and related parallel programming paradigms. Topics of interest for the meeting include, but are not limited to:

- PVM and MPI implementation issues and improvements
- Latest extensions to PVM and MPI
- PVM and MPI for high-performance computing, clusters and grid environments
- New message-passing and hybrid parallel programming paradigms
- Interaction between message-passing software and hardware
- Fault tolerance in message-passing programs
- Performance evaluation of PVM and MPI applications
- Tools and environments for PVM and MPI
- Algorithms using the message-passing paradigm
- Applications in science and engineering based on message-passing

Submissions on applications demonstrating both the potential and shortcomings of MPI and PVM are particularly welcome.

As in the previous years, the special session 'ParSim' will focus on numerical simulation for parallel engineering environments. EuroPVM/MPI 2008 will also hold the 'Outstanding Papers' session, where the best papers selected by the program committee will be presented.

## SUBMISSION INFORMATION

Contributors are invited to submit a full paper as a PDF document not exceeding 8 pages in English (2 pages for poster abstracts). The title page should contain an abstract of at most 100 words and five specific keywords. The paper needs to be formatted according to [the Springer LNCS guidelines](#). The usage of LaTeX for preparation of the contribution as well as the submission in camera ready format is strongly recommended. Style files can be found at <http://www.springer.de/comp/lncs/authors.html>. New work that is not yet mature for a full paper, short observations, and similar brief announcements are invited for the poster session. Contributions to the poster session should be submitted in the form of a two page abstract. All these contributions will be fully peer reviewed by the program committee.

Papers are to be submitted electronically via the online submission system at <http://www.easychair.org/conferences/?conf=europvmmmpi2008>.

Submissions to the special session 'Current Trends in Numerical Simulation for Parallel Engineering Environments' (ParSim 2008) are handled and reviewed by the respective session chairs. For more information please refer to [the ParSim website](#).

All accepted submissions are expected to be presented at the conference by one of the authors, which requires registration for the conference.

## IMPORTANT DATES

### EuroPVM/MPI Conference

Submission of full papers and poster abstracts April 6th, 2008

Notification of authors May 9th, 2008

Camera-ready papers June 7th, 2008

Tutorials September 7th, 2008

Conference September 8th-10th, 2008

For up-to-date information, visit the conference web site at <http://pvmmpi08.ucd.ie>.

### ParSIM Session

Submission of papers May 5th, 2008

Notification to Authors May 26th, 2008

Camera ready papers June 7th, 2008

## PROCEEDINGS

The conference proceedings consisting of abstracts of invited talks, full papers, and two page abstracts for the posters will be published by Springer in the [LNCS series](#). Authors are strongly encouraged to read carefully the [recommendations for publications](#) to facilitate the publication procedure. In addition, selected papers of the conference, including those from the 'Outstanding Papers' session, will be considered for publication in a special issue of a journal in an extended format.

## GENERAL CHAIR

[Jack Dongarra](#) (University of Tennessee)

## PROGRAM CHAIRS

[Alexey Lastovetsky](#) (University College Dublin)

[Tahar Kechadi](#) (University College Dublin)

## CONFERENCE VENUE

The conference is organized and hosted by the School of Computer Science and Informatics at the University College Dublin.