



EUROMICRO

12th Euromicro Conference on Parallel, Distributed and Network-based Processing

A Coruña, Spain, February 11–13 2004

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CALL FOR PAPERS

The Twelfth Euromicro Conference covers all the fields of high-performance computing, from the end-user applications to new scientific results in architectures, models and languages. The conference provides a forum for the presentation of all the issues related to parallel, distributed and network computing. This year the scope of the conference is further expanded with additional themes to emphasize computer graphics applications and internet-based infrastructures.

Topics of interest include, but are not restricted to:

- **Advanced Applications:** multi-disciplinary applications, parallel databases, computations over irregular domains, numerical applications with multi-level parallelism, real time distributed applications, distributed business applications.
- **Distributed Systems:** distributed databases, distributed OO systems, distributed operating systems, heterogeneous distributed systems, distributed algorithms, distributed shared memory systems, distributed agent systems and applications.
- **Languages, Compilers and Runtime Support Systems:** task and data parallel languages, functional and logic languages, object-oriented languages, dependability issues, scheduling and load balancing, task and object migration.
- **Models and Tools for Parallel Programming Environments:** performance prediction and analysis, simulation, knowledge-based parallel program development, visualization tools.
- **Network-based and Internet-based Computing:** web computing, cluster computing, computational grids, data grids, metacomputing, hypercomputing.
- **Parallel Computer Systems:** massively parallel machines, interconnection networks, embedded parallel and distributed systems, fault-tolerance, memory organization, support for parallel I/O.

In addition, a number of **special sessions** will address hot topics.

Submission of papers

Prospective authors should submit a full paper not exceeding 4000 words in length and including a 150-200 word abstract. To facilitate an anonymous reviewing process, the first page of the paper should contain only the title and abstract.

Details for submission of papers are available at <http://pdp2004.des.fi.udc.es>

Authors of accepted papers are expected to register and present the paper at the Workshop.

General Information

The venue of the Workshop is A Coruña which lies at the extreme Northwest of Spain and forms part of the autonomous community of Galicia. A Coruña, known as a balcony onto the Atlantic, is a seaside city where you can enjoy many pleasant places from the Tower of Hercules, the two thousand year old lighthouse, to the charm of its squares and Romanesque and Baroque churches of the Old City. Near the city, the Rias Altas, the Costa da Morte (Death Coast), and a little bit further away, Santiago de Compostela, make the city of A Coruña an ideal base for hiking in a beautiful natural area.

For more information

Access the PDP2004 homepage <http://pdp2004.des.fi.udc.es>, contact the Organizing Chairs, the Program Chair or the Euromicro Office (P.O.Box 2043 - D-53743 Sankt Augustin – Germany – web: <http://www.euromicro.org/About.html>, email: office@euromicro.org).

Important dates

Closing date for submissions	June 20, 2003
Acceptance notification	September 27, 2003
Camera-ready version	October 25, 2003