4th INTERNATIONAL WORKSHOP ON
PARALLEL MATRIX ALGORITHMS AND APPLICATIONS (PMAA'06)
September 7-9, 2006
IRISA, Rennes, France
http://pmaa06.irisa.fr/

DESCRIPTION

Over the past two decades the development of efficient linear algebraic techniques has become an important feature of research in many theoretical and application areas of parallel computing. Novel, highly efficient methods, algorithms and implementations have been developed and are now in widespread use. However, the sheer diversity of scientific and commercial contexts in which matrix-related problems and challenges arise have resulted in a lack of communication among different research communities, thereby hindering a smooth dissemination of important results.

The aim of the Workshop is to help overcome this undesirable situation by providing a forum for an exchange of recent ideas, insights and experiences in different areas of parallel computing in which matrix algorithms are employed, focusing particularly on those which have not yet received wide exposure. The Workshop will bring together experts and practitioners from diverse disciplines with a common interest in matrix computation, in the relaxing, yet stimulating, setting of the historical capital of Brittany, Rennes. In addition to formal presentations and plenary talks by invited speakers, time will be available for informal discussions and interactions. Topics of interest include, but are not limited to, the following:
* Parallel algorithms for dense, structured and sparse matrices.
* Parallel environments and tools for implementing applications.
* Large scale applications from diverse fields which have an emphasis on parallel matrix computation.
* Performance modeling.

Authors are invited to submit an extended abstract presenting original research on any aspect of the workshop themes. A prize of 300 euros, sponsored by the Metivier Foundation, will be awarded for the best student presentation. Some travel grants are available for Ph.D. students and young researchers in need of financial help.

Co-Chairs

Laura Grigori and Bernard Philippe, INRIA Rennes

INVITED SPEAKERS (confirmed so far)

Mark Adams, Columbia University, USA
Erik Elmroth, Umea University, Sweden
Gerard Meurant, CEA, France
Jaro Toivanen, Jyvaskyla University, Finland

PUBLICATION

After the workshop, we are planning to publish selected peer-reviewed papers in a special issue of Parallel Computing.

DEADLINE DATES

Extended abstracts (at most 2 pages):	June 30, 2006
Notification of acceptance:	July 10, 2006
Travel support applications:	July 10, 2006
Early registration:	July 15, 2006
Workshop:	September 7-9, 2006
Submission of full papers:	November 1st, 2006
Notification of decision:	March 15, 2007
Final papers:	July 15, 2007

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