

PARA'04

WORKSHOP ON STATE-OF-THE-ART IN SCIENTIFIC COMPUTING

June 20-23, 2004

<http://www.imm.dtu.dk/~jw/para04/>

ORGANIZERS:

Jack Dongarra, University of Tennessee and Oak Ridge National Laboratory

Kaj Madsen, Technical University of Denmark

Jerzy Waśniewski, Technical University of Denmark

DATES:

June 20, 2004 – Tutorials: 1) Interval analysis, 2) Automatic differentiation

June 21-23, 2004: PARA'04 Workshop sessions

PLACE : Technical University of Denmark, Lyngby, Denmark

FEATURE:

Key lectures, topical minisymposia, a limited number of contributed talks, discussion panels, and poster sessions will be selected for the workshop.

KEY SPEAKERS: Richard Brent, Oxford University; Jack Dongarra, University of Tennessee; Iain Duff, Rutherford Appleton Laboratory; Fred Gustavson, IBM T.J. Watson Research Center; Per Christian Hansen, Technical University of Denmark; Bo Kågström, University of Umeå; Henrik Madsen, Technical University of Denmark; John Reid, Rutherford Appleton Laboratory; Peter Sloot, University of Amsterdam; Zahari Zlatev, National Environmental Research Institute.

MINISYMPOSIA: Interval methods; Trends in large scale computing; High performance linear algebra algorithms; Parallel processing in science and engineering; Distributed computing: tools, paradigms and infrastructures; High-performance computing in earth and space science; Software engineering and problem solving environments for scientific computing; Runtime software tools for enhancing high-performance application; Sparse direct linear solvers; The substructuring/domain decomposition methods in structural and other applications; Advanced algorithms and software components for scientific computing; Treatment of large scientific models; Performance evaluation and design of hardware-aware PDE solvers; Computationally expensive methods in statistics.

DEADLINES:

Mini-symposium proposals:	December	31,	2003
Abstracts (at most 1 page):	January	31,	2004
Notification of acceptance:	February	29,	2004
Extended abstracts (at most 7 pages):	April	15,	2004
Camera-ready papers (at most 10 pages):	September	15,	2004

CONFERENCE PROCEEDINGS:

Short abstracts will be available on the PARA'04 URL page. The extended abstracts will be handed out at the beginning of the Workshop. The full papers will be published in the Springer series Lecture Notes in Computer Science after the conference. We are also planning to select a few of the papers for a special issue of a journal related to scientific computing.

FURTHER INFORMATION:

The PARA'04 URL: <http://imm.dtu.dk/~jw/para04/> is successively updated. It contains all the necessary information. Extra announcements are, from time to time, distributed by the para-l mailing list.

- **Mailing list:**

To subscribe, send a dummy message to: para-l-subscribe@net.uni-c.dk

To discontinue, send a dummy message to: para-l-unsubscribe@net.uni-c.dk

- **Inquiries:**

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SOCIAL EVENTS:

There will be a reception June 21 and a conference dinner June 22. Special entertainments for accompanying persons are planned. The evening of June 23, the eve of St. Hans' Day, is celebrated in Denmark by the lighting of bonfires. A visit to a bonfire will be arranged for those Workshop participants (and accompanying persons) who are still in the area.

Lyngby, March 18, 2004