



ISPA'04

Second International Symposium on Parallel and Distributed Processing and Applications

Second International Symposium on Parallel and Distributed Processing and Applications (ISPA'2004)

Hong Kong, China, 13- 15 Dec. 2004

<http://www.comp.polyu.edu.hk/ISPA04>

General Co-Chairs

Minyi Guo,
Univ. of Aizu, Japan
Francis Lau,
Univ. of Hong Kong, H.K

Program Co-Chair

Jiannong Cao
Hong Kong Polytechnic Univ, H.K.
Laurence T.R. Yang,
St. Francis Xavier Univ. Canada

Vice Program Co-Chairs

Rajkumar Buyya,
Univ of Melbourne, Australia
Weijia Jia
City Univ. of Hong Kong, H.K.
B.D. Martino
Second Univ. of Naples, Italy

Publicity Chair

Cho-Li Wang
Univ. of Hong Kong, H.K.

Workshop Chair

Hong-Va Leong, H.K. PolyU, H.K.

Local Organisation Chair

Allan K.Y. Wong, H.K. PloyU, H.K.

Publication Chair

Alvin T.S. Chan, H.K. PloyU, H.K.

Registration Chair

Joseph K.Y. Ng, H.K. Baptist Univ. H.K.

Program Committee

Please see ISPA04 Website for the list of program committee members

KEYNOTE SPEECHES:

Prof. Jack Dongarra, Univ. of Tennessee,
"Present and Future Supercomputer Architectures"

Prof. Linoel Ni, Hong Kong Univ. of Science and Technology
"Challenges in P2P Computing"

Prof. David Johnson, Rice University
"Mobile Computing"

With the advance of computer networks and hardware technology, parallel and distributed processing has become a key technology which plays an important part in determining future research and development activities in many academic and industrial branches. It provides a means to solve computationally intensive problems by improving processing speed. It is also the only viable approach to building highly reliable and inherently distributed applications. Following the success of the first conference ISPA'2003, held in Aizu-Wakamatsu City, Japan, ISPA'04 will provide a forum for scientists and engineers in academia and industry to exchange and discuss their experiences, new ideas, research results, and applications about all aspects of parallel and distributed computing. ISPA'04 will feature session presentations, workshops, and keynote speeches.

Topics of particular interest include, but are not limited to :

- Computer networks
- Network routing and communication algorithms
- Parallel/distributed system architectures
- Parallel/distributed algorithms
- Wireless networks, mobile and pervasive computing
- Internet computing and Web technologies
- Peer-to-peer computing
- Grid and cluster computing
- Reliability, fault-tolerance, and security
- Performance evaluation and measurements
- Tools and environments for software development
- Distributed systems and applications
- High-performance scientific and engineering computing
- Database applications and data mining
- Biological/molecular computing

SUBMISSION GUIDELINES

Submissions should include an abstract, key words, e-mail address of the corresponding author, and must not exceed 15 pages, including tables and figures, with PDF, PostScript, or MS Word format. Electronic submission through the submission website is strongly encouraged. Hard copies will be accepted only if electronic submission is not possible. Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors will register and attend the conference.

IMPORTANT DATES

Workshop proposals due: 15 June 2004
 Paper submission due: 9 July 2004
 Acceptance notification: 30 Aug 2004
 Camera-ready due: 30 Sept. 2004
 Conference: 13-15 Dec 2004

PUBLICATION

The proceedings of the symposium will be published in Springer's Lecture Notes in Computer Science. A selection of the best papers for the conference will be published in a special issue of The Journal of Supercomputing and International Journal of High Performance Computing and Networking (IJHPCN).

BEST PAPER AWARDS

The program committee will select one winner for the Best Paper Award (all regular papers are eligible) and one winner for the Best Student Paper Award (only the regular papers whose first author is a full-time student are eligible). Each winner will be presented at the conference with a certificate and US\$200.

Organized by Department of Computing, Hong Kong Polytechnic Univ.

Supported by IEEE HK, ACM HK, and IPSJ

