IPDPS 2011
ANCHORAGE

25TH IEEE International Parallel and Distributed Processing Symposium

May 16-20, 2011
Anchorage (Alaska) USA

www.ipdps.org

Sponsored by IEEE Computer Society Technical Committee on Parallel Processing.
In cooperation with ACM SIGARCH, IEEE Computer Society Technical Committee on Computer Architecture, and IEEE Computer Society Technical Committee on Distributed Processing

Anchorage, home to moose, bears, birds and whales, is strategically located at almost equal flying distance from Europe, Asia and the Eastern USA. Embraced by six mountain ranges, with views of Mount McKinley in Denali National Park, and warmed by a maritime climate, Anchorage offers year-round adventure, recreation, and sporting events. It is a fitting destination for IPDPS to mark a quarter century of tracking developments in computer science. To celebrate **the 25th year of IPDPS**, plan to come early and stay late and also enjoy a modern city surrounded by spectacular wilderness. For updates on IPDPS 2011, visit the Web at www.ipdps.org.

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CALL FOR WORKSHOPS
IPDPS workshops, held on the first and last days of the symposium, provide attendees an opportunity to explore special topics. They also broaden the content of the week's presentations by extending the topics of interest beyond those of the main symposium. For more information on organizing a new workshop, contact the Workshops Chair (workshops@ipdps.org) **before July 1**, 2010.

CALL FOR PAPERS

Scope: Authors are invited to submit manuscripts that present original unpublished research in all areas of parallel and distributed processing, including the development of experimental or commercial systems. Work focusing on emerging technologies is especially welcome. Topics of interest include, but are not limited to:

• Parallel and distributed algorithms, focusing on issues such as: stability, scalability, and fault-tolerance of algorithms and data structures for parallel and distributed systems, communication and synchronization protocols, network algorithms, scheduling and load balancing.

• Applications of parallel and distributed computing, including web applications, peer-to-peer computing, grid computing, scientific applications, and mobile computing. Papers focusing on applications using novel commercial or research architectures, or discussing scalability toward the exascale level are encouraged.

• Parallel and distributed architectures, including architectures for instruction-level and thread-level parallelism; petascale and exascale systems designs; special-purpose architectures, including graphics processors, signal processors, network processors, media accelerators and other special purpose processors and accelerators; impact of technology on architecture; network and interconnect architectures; parallel I/O and storage systems; architecture of the memory hierarchy; power-efficient architectures; dependable architectures; and performance modeling and evaluation.

• Parallel and distributed software, including parallel and multicore programming languages and compilers, runtime systems, operating systems, resource management, middleware, libraries, performance modeling and evaluation, parallel programming paradigms, and programming environments and tools.

Best Papers Awards: Awards will be given for one best paper in each of the four conference technical tracks: algorithms, applications, architectures, and software. Selected papers will be considered for possible publication in a special issue of the Journal of Parallel and Distributed Computing.

What/Where to Submit: More details on submissions and instructions for submitting files are available at www.ipdps.org or may be obtained by sending email to cfp@ipdps.org for an automatic reply. IPDPS will again require submission of abstracts one week before the paper submission deadline without any late exceptions (see important dates). All submitted manuscripts will be reviewed. Submitted papers may NOT have appeared in, or be under consideration for, another conference or workshop, or for a journal.

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IMPORTANT DATES	
24 September 2010	Abstracts due (required)
1 October 2010	Submissions due (hard deadline, no extensions)
10-12 November	Rebuttal period
17 December	Author notification
1 February 2011	Camera-ready papers