

[TCDP] IEEE TC on Distributed Computing Newsletter, October 2008

[<http://tab.computer.org/tcdp/>]

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The 6th IEEE International Conference on Mobile Ad hoc and Sensor Systems
October, 5-8, 2009, Macau SAR, P.R.C.

<http://www.cs.cityu.edu.hk/mass09>

* Sponsored by
The IEEE Computer Society Technical Committee on Distributed Processing

* Topics of Interest

Original, unpublished contributions are solicited in all aspects of
(mobile) ad-hoc networks and wireless sensor networks (WSN), systems
and applications. Topics include, but are not limited to:

- * MAC layer design for ad-hoc networks and WSNs
- * MAC protocols (802.11, 802.15.4, UWB)
- * Directional / smart antennas
- * Multi-channel, multi-radio and MIMO technologies
- * Wireless mesh networks and cognitive networks
- * P2P, overlay, and content distribution architectures
for ad-hoc and sensor networks
- * Delay tolerant networks and opportunistic networking
- * Vehicular networks and protocols
- * Mobile/robotic sensor networks
- * Power-aware architectures, algorithms and protocols design
- * Clustering, topology control, coverage and connectivity
- * Routing protocols (unicast, multicast, broadcast, geocast)
- * Data transport and management in WSNs
- * Data gathering, fusion, and dissemination in WSNs
- * Localization and synchronization in WSNs
- * Cooperative sensing in WSNs
- * Capacity planning and admission control in ad-hoc and sensor networks
- * Handoff / mobility management and seamless internetworking
- * Resource management and wireless QoS Provisioning
- * Cross layer design and optimization
- * Reliability, resiliency and fault tolerance techniques
- * Security, privacy, and trust issues
- * Operating systems and middleware support
- * Novel applications and architectures for WSNs
- * Modeling, analysis and performance evaluation
- * Measurements and experience from experimental systems and test-beds

* Submission Guidelines

All submissions must be full papers in PDF format and uploaded on EDAS. Abstract registration due: March 25, 2009 (Wed). They must not exceed 10 single-spaced, double-column pages using 10 pt size fonts on 8.5 x 11 inch pages in IEEE style format. Detailed formatting and submission guidelines will be available on the conference website.

* Important Dates

Abstracts Due: March 25, 2009 (Wed)
Manuscript Due: March 31, 2009 (Tue)
Acceptance Notification: June 28, 2009 (Sun)
Camera-ready Submission: July 24, 2009 (Fri)

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ISORC 2009 Call for Papers

*** The paper submission deadline is extended to October 23 ***

12th IEEE International Symposium on

Object/component/service-oriented Real-time distributed Computing

ISORC 2009

- Tokyo, JAPAN

- <http://www.dcl.info.waseda.ac.jp/isorc2009/>

* Call for Papers

Important Dates:

Paper Submission (extended):	23	October	2008
Acceptance Notification:	25	November	2008
Camera-Ready Papers:	25	December	2008
Conference Dates:	17-20	March	2009

* SCOPE

This is the twelfth IEEE Computer Society symposium dealing with the rapidly expanding field of object/component/service-oriented real-time distributed computing (ORC) technology. The principal theme of ISORC is the use of the object-oriented computing paradigm - which has prevailed in many non-real-time applications in the past decade - in a wide variety of real-time applications. In the ISORC series, this paradigm emphasizes its spirit of openness where diverse views and new approaches to challenging issues can be freely discussed.

* TOPICS OF INTEREST

Papers pertaining to all aspects of ORC are sought, including but not limited to the following:

Programming and system engineering:

ORC paradigms, object/component models, languages, RT Corba, Embedded .NET, RT RMI, RT Java, UML, model-driven development of high integrity applications, specification, design, verification, validation, testing, maintenance, system of systems, etc.

Distributed computing and communication infrastructures:
Internet QoS (quality of service), real-time communication,
networked computing platforms, protocols,
peer-to-peer computing, sensor networks, inter-operability,
security, trusted and dependable systems, fault tolerance,
virtual subnets for ORC.

System software:
real-time kernels and operating systems,
middleware support for ORC,
QoS management, extensibility, synchronization,
resource allocation, scheduling, fault tolerance, security.

Applications:
embedded systems (automotive, avionics, consumer electronics,
building systems, sensors, etc), multimedia processing,
RT Web-based applications and use of XML,
real-time object-oriented simulations.

System evaluation:
output accuracy, timeliness, worst-case execution time,
dependability, end-to-end QoS, overhead, fault detection
and recovery time.

Papers dealing with other issues that are related to the specification,
design, implementation, and evaluation of ORC systems are also welcome. To
promote dialogues between researchers and users of ORC, contributions from
industry are particularly welcome.

* CONFERENCE SESSION FORMATS

Following the tradition of ISORC, the conference program will consist
of sessions of different formats:

- * presentations of regular and short papers,
- * panel discussions, and
- * special sessions devoted to reporting industrial advances

GUIDELINES FOR MANUSCRIPTS

Research Papers. Papers should describe original work and be 8 pages or less
in length using the IEEE paper format.

Papers presenting Industrial Advances. Industrial papers and practitioner
reports, describing experiences of using ORC technology in application or tool
development projects, are an integral part of the technical program of ISORC. A
majority of these papers are expected to be shorter and less formal than
research papers. They should clearly identify, and discuss in detail, the
issues that represent notable industrial advances. Reports with project metrics
supporting their claims are particularly sought, as well as those that show
both benefits and drawbacks of the approaches used in the given project.

Short Synopses. Short papers (5 pages or less using the IEEE format) on
substantial real-time applications are also invited, and should contain

enough information for the program committee to understand the scope of the project and evaluate the novelty of the problem or approach.

According to program committee guidelines, papers presenting practical techniques, ideas, or evaluations will be favored. Papers reporting experimentation results and industrial experiences are particularly welcome.

Originality will not be interpreted too narrowly.

Papers that are based on severely unrealistic assumptions will not be accepted however mathematically or logically sophisticated the discussion may be.

All accepted submissions will appear in the proceedings published by IEEE. A person will not be allowed to present more than 2 papers at the symposium.

* PAPER SUBMISSION

Papers should be formatted using the IEEE Computer Society format.

http://www.computer.org/portal/pages/cscps/cps/cps_forms.html

Authors should indicate whether the submitted paper is a research paper or in the category of industrial advances. Please submit your paper in portable postscript or pdf format (all uncommon fonts embedded).

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The 14th IEEE International Conference on Parallel and Distributed Systems (ICPADS'08)
December 8-10, 2008 -- Melbourne, Australia
<http://www.deakin.edu.au/conferences/icpads2008/>

--PURPOSE AND SCOPE--

The conference provides an international forum for scientists, engineers, and users to exchange and share their experiences, new ideas, and latest research results on all aspects of parallel and distributed systems. All papers accepted for ICPADS 2008 conference and workshops will appear in the Proceedings of ICPADS 2008, which is to be published by the IEEE Computer Society Press.

Awards will also be given to the best papers. Contributions are solicited in all areas of parallel and distributed systems research and applications. Topics of interest include, but are not limited to:

- * Parallel and Distributed Applications and Algorithms
- * High Performance Computational Biology and Bioinformatics
- * Multi-core and Multithreaded Architectures
- * Power-aware Computing
- * Distributed and Parallel Operating Systems
- * Resource Management and Scheduling
- * Peer-to-Peer Computing
- * Cluster and Grid Computing
- * Web-based Computing and Service-Oriented Architecture
- * Communication and Networking Systems
- * Wireless and Mobile Computing
- * Ad Hoc and Sensor Networks
- * Security and Privacy
- * Dependable and Trustworthy Computing and Systems
- * Real-Time and Multimedia Systems
- * Performance Modelling and Evaluation

ICPADS 2008 will be held in Melbourne, Australia and will be held in one of the centrally located inner city hotels. Melbourne is a vibrant cosmopolitan city that has frequently been awarded one of the world's most "liveable" cities. Melbourne offers an excellent location for this Conference with numerous local arts, cultural, architectural and sporting attractions. It also provides an excellent hub for many of the tourist attractions throughout Victoria and Australia.

--IMPORTANT DATES--

- * Workshop Proposal Due: May 23, 2008
- * Paper Submission Due: July 4, 2008 (extended)
- * Author Notification: August 15, 2008
- * Final Manuscript Due: September 12, 2008

For further information of the conference, please contact Dr. Yang Xiang at y.xiang@cqu.edu.au.

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The TCDP welcomes IEEE Computer Society members with an interest in distributed computing. There are many ways to participate in TCDP activities.

Please contact Dr. Jie Wu, TCDP chair, at jie@cse.fau.edu for more information.

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End of TCDP Newsletter, October 2008
