The IEEE 2013Ubiquitous Science Congress（U-Science2013）

Dec. 21ˢᵗ-22ⁿᵈ, 2013, Chengdu, Sichuan, China

http://umc.uestc.edu.cn/conference/uscience2013

■ INTRODUCTION

2013 IEEE Ubiquitous Science Congress (U-Science2013) is the hottest topics in computer, communication and Ubiquitous science. U-Science2013 includes PICom2013, ScalCom2013, DASC2013 and EmbeddedCom2013.

■ JOURNAL SPECIAL ISSUES

Distinguished selected papers accepted and presented in U-science2013, after further extensions, will be published in special issues of the several **SCI/SCIE Indexed Journals**.

- **IEEE Transactions on Computers (SCI Indexed IF:1.103)**
- **Future Generation Computer Systems (SCI Indexed IF: 1.978)**
- **More to be announced**

■ DASC2013 CALL FOR PAPERS

Topics of interest include, but are not limited to:

- Autonomic Computing Theory, Models, Architectures and Communications
- Dependable Automatic Control Techniques and Systems
- Cloud Computing with Autonomic and Trusted Environment
- Dependability Models and Evaluation Algorithms
- Dependable Sensors, Devices, Electronic-Mechanical Systems, Optic-Electronic Systems, Embedded Systems, etc.
- Self-improvement in Dependable Systems
- Self-healing, Self-protection and Fault-tolerant Systems
- Hardware and Software Reliability, Verification and Testing
- Software Engineering for Dependable Systems
- Safety-critical Systems in Transportation, Power System, etc.
- Security Models and Quantifications
- Trusted P2P, Web Service, SoA, SaaS, EaaS, PaaS, etc.
- Self-protection and Intrusion-detection in Security
- DRM, Watermarking Technology, IP Protection
- Context-aware Access Control
- Virus Detections and Anti-virus Techniques/Software
- Cyber Attack, Crime and Cyber War
- Human Interaction with Trusted and Autonomic Computing Systems
- Security, Dependability and Autonomic Issues in Ubiquitous Computing
- QoS in Communications and Services
- Information and System Security
- Reliable Computing and Trusted Computing
- Network Security and Privacy
- Wireless Emergency and Security Systems
- Information Technology in Biomedicine
- Multimedia Security Issues over Mobile and Wireless Networks
- Software Engineering for Emerging Networks, Systems, and Mobile Systems
- Service Oriented Architectures

■ PICom2013 CALL FOR PAPERS

Topics of interest include, but are not limited to:

- Artificial Intelligence & Knowledge Computing
- Autonomous Agents and Multiagent Systems
- Nature-inspired Intelligence & Soft Computing
- Social Intelligence & Agent-based Computing
- Ubiquitous Intelligence & Cyber-Physical Computing
- The Internet of Things
- Embedded Hardware, Software & Systems
- Pervasive Computers and Devices, Wearable Computers, RFIDs, Sensor technology
- Pervasive Networks & Communications
- Pervasive Services & Systems, EaaS, SaaS, IaaS, PaaS
- Multimedia Technologies & Applications
- Intelligent HCI Design
- Pervasive Electronic Market Management
- Handheld Computing andPervasive Computing
- Context-Aware Computing
- Situation-Aware Reasoning and Recognition
- Mobile Data Mining
- Ubiquitous Data Mining
- Activity Recognition
- Intelligent Social Networking and Ambient Intelligence
- Evolutionary Computation
- Multimedia over Cognitive Radio Networks
- Multimedia over Wireless Ad-hoc and P2P Networks
- Mobility and Multimedia Data Traffic Modeling
- Mobile Multimedia Test-beds And Related Research Infrastructures
- Rapid Application Development for Mobile, Pervasive and Ubiquitous Systems
- Software Architectures and Design for Emerging Systems

■ EmbeddedCom2013 CALL FOR PAPERS

Topics of interest include, but are not limited to:

- Embedded System Architecture
- Embedded Software Development and Optimization
- Cyber-Physical Systems
- Security and Fault Tolerance
- Embedded Hardware Support
- Hardware/Software Co-design
- Real-time Systems
- Power and Energy-aware Computing
- Sensor Networks
- Pervasive Computing & Communications
- Middleware and Peer-to-Peer Computing
- Internet Computing and Applications
- Multimedia and Data Management
- Human-computer Interaction
- Mobile Computing
- Agents and Distributed Computing
- Application-specific Processors and Devices
- Industrial Practices and Benchmark Suites
- Supporting Technologies: SoC, FPGA, etc.
  Embedded & Ubiquitous Applications Development
- Embedded and Network Computing
- System Software for Embedded and Ubiquitous Systems

■ ScalCom2013 CALL FOR PAPERS

Topics of interest include, but are not limited to:

- Scalable modeling and simulation
- Data intensive computing
- Multi-core and computer architectures
- Cluster, Grid and Cloud computing
- Scalable algorithms
- Scalable networks
- Scalable service computing
- Scalable databases
- scalable wireless communications
- scalability in networking infrastructures
- scalable evolutionary computing
- scalable cyber infrastructures
- Mobile Computing and Networking
- Scalability issues on multicore architecture
- Scalability issues on performance modeling and evaluation
- Parallel and Distributed Computing
- Grid Computing and Cluster Computing
- Algorithms and Data Structures
- Concurrent, Parallel and Distributed Systems

■ IMPORTANT DATES

Submission Deadline: **Sep.20ᵗʰ, 2013**   Camera Ready:**Oct. 31ˢᵗ, 2013**

Author Notification: **Oct. 15ᵗʰ, 2013**   Registration Deadline: **Oct. 31ˢᵗ, 2013**

■ PAPER SUBMISSION

Prepare your paper in PDF file with no more than 8 pages for main conference and 6 pages for workshops/symposia. The template files for LATEX or WORD can be downloaded **here**. Submit your paper(s) at the U-Science2013 submission site:uscience2013@gmail.com

Each submission should be regarded as an undertaking that, if the paper be accepted, at least one of the authors must attend the conference to present the work.

■ Workshops

The U-Science2013 Organizing Committee invites proposals for one-day workshops affiliated with the conference and addressing research areas related to the conference. The workshop proceedings will be published by IEEE CS Press. Submit workshop proposals to workshops chairs via emails.

■ Publications

Accepted and presented papers will be included into the IEEE Conference Proceedings published by IEEE CS Press (indexed by EI). Distinguished papers accepted and presented in U-Science2013, after further extensions, will be published in special issues of several SCI/EI Indexed journals.

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