

# DCABES 2012

## 11th International Symposium On Distributed Computing and Applications To Business, Engineering and Science



## Call for Paper

2012.10.19—10.22

Guilin, China

[HTTP://DCABES.MEETING.WHUT.EDU.CN/DCABES2012/](http://DCABES.MEETING.WHUT.EDU.CN/DCABES2012/)

The 11th International Symposium on Distributed Computing and Applications to Business, Engineering and Sciences (DCABES2012) will be held in Guilin, China, October 19th~22th, 2012. Guilin is a famous nature sightseeing resort in China and the World.

As in previous conferences, DCABES intends to bring together researchers and developers in the academic field and industry from around the world to share their research experiences and to explore research collaborations in the areas of distributed parallel processing and applications. **Proceedings of the DCABES has been published and indexed by the EI/CPCI (ISTP).** Series conferences of the DCABES have gained good reputation in distributed computing area for comprehensively presenting the state-of-the-art research results.

You are warmly invited to submit an extended abstract/full paper, and/or a proposal to organize a technical session. **You can click [here](#) to submit your paper.**

All submissions will be peer-reviewed by 2 reviewers. Accepted abstracts should be extended by the authors to a full paper (**5** pages or less), which will be published by the CPS as a CD of proceedings with ISBN (for green earth consideration) to be distributed at the conference.

**50 select papers of the DCABES 2012 proceedings will be recommended to the Journal of Algorithms and Computational Technology (JACT, EI indexed) soon after the Symposium.**

Please submit your paper in MS Word and the corresponding PDF format. Please limit the paper size to 5 pages, since one extra page will cost you extra 100 USD per page.

We welcome submissions on all facets of distributed parallel processing and applications. Topics include, but not limited to the following:

### **Distributed/Parallel applications**

1. Computational methods in science and engineering.
2. Computational finance.
3. E-engineering and e-science applications.
4. E-commerce applications.
5. E-education applications.
6. Distributed agents.
7. Distributed multimedia.
8. Distributed databases.

### **Distributed/Parallel algorithms**

1. Numerical parallel algorithms.
2. Non-numerical parallel algorithms.
3. Algorithms exploiting distributed computing environment.
4. Performance assessment with computation/communication complex analysis.
5. Distributed/parallel algorithms in image and vision processing.
6. Geometric modeling, and fractals.
7. Compression and decompression for multimedia applications.
8. Data mining and Knowledge Discovery

### **Cloud Computing and Grid Computing**

1. Infrastructure of Cloud/Grid Computing.
2. Cloud/Grid computing platforms and tools.
3. Cloud/Grid Software and Middleware.
4. Cloud/Grid computing applications.
5. Cloud/Grid computing paradigms
6. New technologies and developments in computer networking

### **Internet of Things (IOT)**

1. Communication systems and network architectures for the IOT
2. Technologies and concepts for embedding sensing, actuation, communication, and computation into networked things
3. Software Platform Developments for the IOT
4. Novel services and applications in an IOT
5. Emerging IOT business models and process changes

6. Experience reports in areas such as healthcare, logistics & transport
7. Security & privacy aspects of IOT infrastructures & applications

### **System Architectures**

1. Real-time embedded systems for business, engineering, and sciences.
2. Distributed information systems for business, engineering, and sciences.
3. Web resources management and system design for e-science and e-engineering.
4. Web performance analysis for business, engineering and sciences.

### **Software Tools and Environments for Distributed or Parallel platform**

1. Use of MPI, PVM, Java Platforms for web-based simulation and computing.
2. Tools and platforms for E-education.
3. Tools and platforms for E-business.
4. Web browser and search engine design
5. Mobile agents and computing.

### **Intelligent Transportation**

1. Vehicle Controls.
2. Traffic surveillance and control.
3. Operation vehicle height management.
4. Tourism information management
5. Internet of Vehicles

### **E-Business**

1. E-Business and Mobile Business
2. Data Mining and Data Base Technology
3. Business Forecast Theory and Decision Making
4. Management Stratagem and Models
5. Logistics and Supply Chain Management
6. E-Banking and Security
7. E-Business System Design and Application

### **Information Security**

1. Cryptography.
2. Firewall Technology.
3. Web Security.
4. Network authentication technology
5. Intrusion Detection.
6. Computer Virus Prevention Technology.

## **Other Topics about Distributed Parallel Processing and Applications.**

### **Technical Session:**

1. Forensic Image Processing
2. Media Security and Processing.
3. Image Processing - Methodologies and Applications
4. Distributed and Scalable Application, Metrics and Services
5. Computational Modeling of Complex Systems and Processes - Algorithms and Methodologies

### **Important Dates**

- Submission due: **Before 9th May 2012**
- Notification of Acceptance: **Before 10th June 2012**
- Camera-Ready due: **Before 8th July 2012**
- Early Registration Time: **Before 8th July 2012**
- Last Registration time: **Before 5th August 2012**
- Non Author Registration Time: **Before 19th October 2012**

### **Contact Information**

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