

Call for Papers

2014 Annual Conference of Advanced Computer Architecture (Shenyang, China)

(<http://aca2014.tcarch.org>)

In order to promote the development of information technology and strengthen academic exchanges, the Technical Committee of Computer Architecture of China Computer Federation decided to convene the annual conference of ACA (Advanced Computer Architecture) in Shenyang, Liaoning Province, China on August 23 to 24, 2014. The conference will be sponsored by CCF, and organized by the professional committee of architecture of CCF and Northeastern University.

The conference will invite well-known experts in this field to make keynote speeches, from which you could get the latest domestic and foreign news of the architecture field. It will also provide a platform for experts to communicate and publishing the cutting-edge research work. We welcome all the experts doing related research to be engaged in the conference.

We are making two notable innovations in this year's ACA conference:

1. ACA-2014 will assign a shepherd to each accepted paper, to provide guidance on revision and make sure reviewer's comments are appropriately incorporated.
2. ACA 2014 accepts submissions both in English and Chinese, to increase the international visibility and impact of accepted papers. All accepted English and Chinese submissions will be published in an issue of Springer CCIS (<http://www.springer.com/series/7899>) and an issue of <<Journal of Northeastern University>> (Supplement), accordingly. English papers have been scheduled on Springer's forthcoming proceedings (<ftp://ftp.springer.de/pub/tex/latex/llncs/CCISforth.pdf>).

Topics

ACA is seeking for original submissions, covering but not limited to the following topics:

- High Performance Computer Architecture
- Micro-processor Architecture
- Embedded System Architecture
- Re-configurable Computing
- Fault Tolerant Computing
- Network Communication Technologies
- Mobile Computing
- Network Security
- Operating Systems

- Virtual Machine
- Compiling Optimization
- Parallel and Distributed System
- Cloud Computing
- Internet of Things
- Pervasive Computing
- Database, Middleware Performance Optimization
- Multimedia Application Performance Optimization
- Intelligence Computing
- New Computing Models
- Quantum Computing

Submission Information

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal, conference or workshop. Simultaneous submission of the same work is not allowed. Submission must be written in Chinese or English and using Word 2003 or PDF format. Please also state if you're a member of CCF during submission. The selected outstanding papers will be revised under guidance for publishing. For more details of format requirements, please reference the website of 2014 Annual Conference of Advanced Computer Architecture (<http://aca2014.tcarch.org>).

How to submit

Please submit your paper though <http://ipads.se.sjtu.edu.cn/aca2014>

Submission requirement:

English submission: please follow springer LNCS template to format your manuscript (<http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>). Full paper submission should be around 10-12 pages, with a maximum page limit of 15 pages (LNCS/CCIS one-column page format). Short papers should be around 5-8 pages. Authors are required to submit papers in PDF form. In the camera-ready version, authors are required to submit both source files (Latex or Word) and the corresponding PDF file.

Chinese submission: please follow the submission guideline (<http://xuebao.neu.edu.cn/natural/CN/column/column320.shtml>) of <<Journal of Northeastern University>> to format your manuscript. All submissions should be within 8 pages.

Important Dates

Submission deadline:	March 31, 2014
Acceptance notification:	May 1, 2014
Final version due:	May 20, 2014

Conference: Aug 23 to 24, 2014
More information could be found on the official website.

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