

Editorial Notes

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Welcome to the February 2017 edition of the IEEE Distributed Processing Technical Committee's Newsletter. This volume includes interesting articles, job advertisements, upcoming conferences.

The IEEE Computer Society Technical Committee on Distributed Processing (TCDP) is the ideal and appropriate organization to:

- Foster and provide a fertile ground of our conferences.
- Provide a forum for discussing all activities related to distributed processing.
- Accept and publish through newsletters short articles from TCDP members.
- Announce job advertisements.
- Distribute to this community call for papers.
- Announce upcoming conferences.

1. Interesting Articles/Papers

Real-time MRI analysis powered by supercomputers

(Researchers develop a pipeline to power fast, accurate image processing for precision medicine)

See more at: <https://www.sciencedaily.com/releases/2017/02/170216130319.htm>

Taming complexity

Quantum systems, many particles: an elegant way to simplify

See more at: <https://www.sciencedaily.com/releases/2017/02/170210130934.htm>

Efficient power converter for internet of things

(Design reduces converter's resting power consumption by 50 percent)

See more at: <https://www.sciencedaily.com/releases/2017/02/170217161003.htm>

Inter-Data Center Network Dimensioning under Time-of-Use Pricing

See more at: <http://ieeexplore.ieee.org/document/6957557/>

STAR: SLA-aware Autonomic Management of Cloud Resources

See more at: <http://ieeexplore.ieee.org/document/7807337/>

M-Convex VM Consolidation: Towards a Better VM Workload Consolidation

See more at: <http://ieeexplore.ieee.org/document/6953123/>

A Declarative Optimization Engine for Resource Provisioning of Scientific Workflows in Geo-Distributed Clouds

See more at: <http://ieeexplore.ieee.org/document/7542141/>

A Multi-Objective Model Oriented Mapping Approach for NoC-based Computing Systems

See more at: <http://ieeexplore.ieee.org/document/7508918/>

A Recursive Hypergraph Bipartitioning Framework for Reducing Bandwidth and Latency Costs Simultaneously

See more at: <http://ieeexplore.ieee.org/document/7485866/>

3. Job Advertisements

- Chinese Academy of Sciences, Shenzhen Institutes of Advanced Technology, Center for Cloud Computing Research is looking for postdoctoral research fellows as well as PhD students with a strong background in one or more of the following disciplines: distributed systems, algorithms, machine learning, data mining, statistical analysis, networking systems, control systems. Contact: Nikos Tziritas, nikolaos@siat.ac.cn, or Xi Zhang, xi.zhang@siat.ac.cn.

You can visit our website [here](http://cloud.siat.ac.cn/cloud/) (currently only in Chinese language): <http://cloud.siat.ac.cn/cloud/>.

- The Faculty of Science, Leiden Institute of Advanced Computer Science, is looking for five candidates as an assistant professor in the following fields: (1) computational creativity & serious games, (2) deep learning, (3) high performance computing, (4) security, (5) correctness and automated testing, (6) IT strategy & policy, (7) enterprise architecture & systems development.

Apply here: <http://jobs.liacs.leidenuniv.nl/2017/liacsud/>

- ETH Zurich's Professorship for Computational Social Science (Prof. Dirk Helbing) invites applications for a Postdoctoral position in Big Data and Data Science.

Apply here: <https://apply.refline.ch/845721/5207/szP63rUHXvaKDUyZFtPw-VQeu4sn5dt3mzfwW8MHqReNLYiVjgSjR0/apply>

- Technical University of Denmark is looking for PhD students in Real-Time multicore systems

Apply here: <http://www.dtu.dk/english/career/job?id=d70d65a1-a237-4860-80a9-d104c7973cfa>

TCDP members are welcome to suggest new job advertisements that can be included in our future newsletters. You can send any job advertisement to Dr. Nikos Tziritas, nikolaos@siat.ac.cn.

4. Upcoming Conferences

4.1 Call for papers

ICPP

Paper submission: March 13, 2017

Conference Dates: August 14 - 17, 2017

Place: Bristol, UK

<http://www.icpp-conf.org/2017/index.php>

INFOCOM

Paper submission: July 31, 2017

Place: Honolulu

Conference Dates: April 15-19, 2018

POPL

Paper submission: July 7, 2017

Place: Los Angeles, USA

Conference Dates: January 8-13, 2018

http://conf.researchr.org/home/POPL-2018?utm_source=researchbib

ICCAC

Paper submission: May 19, 2017

Conference Dates: September 18-22, 2017

Place: Arizona, USA

<http://autonomic-conference.org/iccac-2017/>

GLOBECOM

Paper submission: April 1, 2017

Conference Dates: September 4-8, 2017
Place: Singapore
<http://globecon2017.ieee-globecom.org>

MASCOTS

Paper submission: April 11, 2017
Conference Dates: September 20- 22, 2016
Place: Alberta, Canada
<http://mascots2017.cs.ucalgary.ca/index.html>

4.2 Call for participation

ICDCS

Conference Dates: June 5 - 8, 2017
Place: Atlanta, USA
<https://iccds2017.gatech.edu/>

Euro-Par

Conference Dates: August 30 – September 1, 2017
Place: Spain
<http://europar2017.usc.es/#euro-par-2017>

PODC

Conference Dates: July 25-28, 2015
Place: Washington, USA
<http://www.podc.org>

ICS

Conference Dates: June 14-16, 2017
Place: Chicago, USA
<http://press3.mcs.anl.gov/ics2017/>

HPDC

Conference Dates: June 26- June 30, 2017
Place: Washington, USA
<http://www.hpdc.org/2017/>

NSDI

Conference Dates: March 27- 29, 2017

Place: Boston, USA

<https://www.usenix.org/conference/nsdi17/>

SIGCOMM

Conference Dates: August 21- 25, 2017

Place: Los Angeles, USA

<http://conferences.sigcomm.org/sigcomm/2017/>