

Editorial Notes

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Welcome to the April 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

2-D materials can conduct electricity at almost the speed of light

(Substances have the potential to revolutionize electronic and computing devices)

See more at: <https://www.sciencedaily.com/releases/2017/04/170426131013.htm>

New quantum liquid crystals may play role in future of computers

(New state of matter may have applications in ultrafast quantum computers)

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

Harnessing heat to power computers

(Engineers devise thermal diode that allows computing at ultra-high temperatures)

See more at: <https://www.sciencedaily.com/releases/2017/04/170418094538.htm>

Automatic Memory Control of Multiple Virtual Machines on a Consolidated Server

See more at: <http://ieeexplore.ieee.org/document/7012089/>

Dynamic Multi-Tenant Coordination for Sustainable Colocation Data Centers

See more at: <http://ieeexplore.ieee.org/document/7911246/>

A Johnson's-Rule-Based Genetic Algorithm for Two-Stage-Task Scheduling Problem in Data-Centers of Cloud Computing

See more at: <http://ieeexplore.ieee.org/document/7896577/>

Correlation Modeling and Resource Optimization for Cloud Service with Fault Recovery

See more at: <http://ieeexplore.ieee.org/document/7892880/>

Scientific Workflow Mining in Clouds

See more at: <http://ieeexplore.ieee.org/document/7907335/>

Cluster-Aware Virtual Machine Collaborative Migration in Media Cloud

See more at: <http://ieeexplore.ieee.org/document/7909001/>

2. 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 (currently only in Chinese language): <http://cloud.siat.ac.cn/cloud/>.

- Postdoctoral opportunities in computational materials design and machine learning, University of Maryland, College Park.

Apply here: <https://ejobs.umd.edu/postings/48900>

- Research Fellow, National University of Singapore.

Apply here: <http://serve.me.nus.edu.sg/mnsi/>

- Professor positions in computer science and engineering, Southern University of Science and Technology

Apply here: <http://www.sustc.edu.cn/>

- Assistant/Associate/Full Professor of computer engineering, American University of the Middle East (AUM)

Apply here:

<http://careers.aum.edu.kw/recruitment/Recruitment/Recruitment.aspx?mode=KCVWU>

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.

3. Upcoming Conferences

3.1 Call for papers

INFOCOM

Paper submission: July 31, 2017

Place: Honolulu

Conference Dates: April 15-19, 2018

DISC

Paper submission: May 8, 2017

Place: Vienna, Austria

Conference Dates: October 16-20, 2017

<http://www.disc-conference.org/wp/disc2017/>

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/>

SoCC

Paper submission: May 05, 2017

Conference Dates: September 25-27, 2017

Place: California, USA

<https://acmsocc.github.io/2017/>

3.2 Call for participation

ICDCS

Conference Dates: June 5 - 8, 2017

Place: Atlanta, USA

<https://icdcs2017.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`](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/>

ICPP

Conference Dates: August 14 - 17, 2017

Place: Bristol, UK

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

SIGCOMM

Conference Dates: August 21- 25, 2017

Place: Los Angeles, USA

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

GLOBECOM

Conference Dates: September 4-8, 2017

Place: Singapore

<http://globecom2017.ieee-globecom.org>

MASCOTS

Conference Dates: September 20- 22, 2016

Place: Alberta, Canada

<http://mascots2017.cs.ucalgary.ca/index.html>