

## **Editorial Notes**

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Welcome to the August 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**

#### **New computing system takes its cues from human brain**

See more at: <https://www.sciencedaily.com/releases/2017/06/170612115345.htm>

#### **Using big data to analyze images, video better than the human brain**

See more at: <https://www.sciencedaily.com/releases/2017/03/170320090439.htm>

#### **An Adaptive Parallel Algorithm for Computing Connected Components**

See more at: <http://ieeexplore.ieee.org/document/7862286/>

#### **Parallel Graph Partitioning for Complex Networks**

See more at: <http://ieeexplore.ieee.org/document/7859409/>

# Predicting Workflow Task Execution Time in the Cloud using A Two-Stage Machine Learning Approach

See more at: <http://ieeexplore.ieee.org/document/8013738/>

# Bulk Savings for Bulk Transfers: Minimizing the Energy-Cost for Geo-Distributed Data Centers

See more at: <http://ieeexplore.ieee.org/document/8010368/>

## 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](mailto:nikolaos@siat.ac.cn), or Xi Zhang, [xi.zhang@siat.ac.cn](mailto:xi.zhang@siat.ac.cn).

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

- Research Fellow – Computing and Mathematical Sciences, The University of Waikato.

**Apply here:** <http://www.jobs.waikato.ac.nz/>.

- Postdoc Fellow/PhD in Estimation Theory, University of Kansas.

**Apply here:** <http://fang.faculty.ku.edu/opportunities.html>

- Postdoctoral Fellow (Computer Science, Bioinformatics) Job ID# 14120B, University of Utah.

**Apply here:** <https://utah.peopleadmin.com/postings/63793>

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](mailto:nikolaos@siat.ac.cn).

## 3. Upcoming Conferences

### 3.1 Call for papers

**IPDPS**

Paper Submission: October 22, 2017  
Conference Dates: May 21 - 25, 2018  
Place: Vancouver, Canada  
<http://www.ipdps.org/>

**HPDC**

Conference Dates: June 11- June 15, 2018  
Place: Tempe, USA  
<http://www.hpdc.org/2017/>

**ICS**

Paper Submission: January 18, 2018  
Conference Dates: June 13-15, 2018  
Place: Beijing, China  
<http://ics2018.ict.ac.cn/>

**ICDCS**

Paper Submission: December 12, 2017  
Conference Dates: July 2 - 6, 2018  
Place: Vienna, Austria  
<http://icdcs2018.ocg.at/>

**PODC**

Paper Submission: February 18, 2018  
Conference Dates: July 23-27, 2018  
Place: London, United Kingdom  
<https://www.podc.org/>

### 3.2 Call for participation

**INFOCOM**

Place: Honolulu  
Conference Dates: April 15-19, 2018

**POPL**

Place: Los Angeles, USA  
Conference Dates: January 8-13, 2018  
[http://conf.researchr.org/home/POPL-2018?utm\\_source=researchbib](http://conf.researchr.org/home/POPL-2018?utm_source=researchbib)

**PDCAT**

Place: Taipei, Taiwan

Conference Dates: December 18-20, 2017

<http://pdcat17.csie.ntust.edu.tw/index.php>

**HPCC**

Place: Bangkok, Thailand

Conference Dates: December 18-20, 2017

<http://hpcl.seas.gwu.edu/hpcc2017/committees.html>

**ICPADS**

Place: Shenzhen, China

Conference Dates: December 15-17, 2017

<http://futurenet.szu.edu.cn/icpads2017/>

**GLOBECOM**

Conference Dates: September 4-8, 2017

Place: Singapore

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

**MASCOTS**

Conference Dates: September 20- 22, 2017

Place: Alberta, Canada

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

**SoCC**

Conference Dates: September 25-27, 2017

Place: California, USA

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

**ICCAC**

Conference Dates: September 18-22, 2017

Place: Arizona, USA

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

**DISC**

Place: Vienna, Austria

Conference Dates: October 16-20, 2017

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