



**CALL FOR PAPERS**  
**IEEE International Conference on High Performance  
Computing and Communications (HPCC)**

<http://www.ieee-hpcc.org>

**Bangkok, Thailand, December 18 - 20, 2017**

The 2017 IEEE International Conference on High Performance Computing and Communications (HPCC) is the 19<sup>th</sup> edition of a highly successful forum of discussion for engineers and scientists in academia, industry, and the government.

The forum provides a venue to discuss profound challenges and to present and discuss new ideas, research results, applications, and experience on all aspects of high performance computing and communications.

**Important Dates:**

Paper submission deadline: July 1<sup>st</sup>, 2017, midnight (Anywhere on Earth)

Main conference decision notification: August 15<sup>th</sup>, 2017

Main conference camera-ready deadline: September 15<sup>th</sup>, 2017

Conference: December 18-20, 2017

We are soliciting paper submissions in the following topic areas:

1. Parallel and distributed system architectures
2. Languages and compilers for high performance computing
3. Parallel and distributed software technologies
4. Parallel and distributed algorithms
5. Resource management for parallel and distributed systems
6. Embedded systems
7. Peer-to-peer computing
8. Grid and cluster computing
9. Web services and Internet computing
10. Cloud computing
11. Utility computing
12. Performance evaluation and measurement
13. Tools and environments for software development
14. Distributed systems and applications
15. High-performance scientific and engineering computing
16. Database applications and data mining
17. Biological/molecular computing
18. Bioinformatics
19. Collaborative and cooperative environments
20. Mobile computing and wireless communications
21. Computer Networks
22. Telecommunications
23. Pervasive/ubiquitous computing and intelligence
24. Autonomic computing, reliability, and fault-tolerance
25. Trust, security, and privacy

## 26. Energy-aware computing

### **Organizers:**

#### General Co-chairs:

Tarek El-Ghazawi, George Washington University, USA  
Albert Zomaya, University of Sydney, Australia  
Jack Dongarra, University of Tennessee, Knoxville, USA

#### Program Co-chairs:

Pavan Balaji, Argonne National Laboratory, USA  
H. J. Siegel, Colorado State University, USA

**Submissions** must include an abstract, keywords, and the e-mail address of the corresponding author. The submission may not exceed 8 pages for main conference, including tables and figures, in IEEE CS format. The template files for LATEX or WORD can be downloaded from [http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html). All paper submissions must represent original and unpublished work. Each submission will be peer reviewed by at least three program committee members. The authors commit that if the submission is accepted, at least one of the authors will register for the conference and present the work. Submit your paper(s) in PDF file at the submission site: <https://easychair.org/conferences/?conf=hpcc17>

Accepted and presented papers will be included in the IEEE Conference Proceedings published by IEEE CS CPS (EI Index), which will be uploaded to IEEE Xplorer. At least one of the authors of an accepted paper must have full registration and present the work at the conference, otherwise the paper may be removed from the digital libraries of IEEE CS after the conference.