

**CALL FOR PAPERS**  
**Cyber-Physical Social Systems: Integrating Human into Computing**  
**Special Issue in IEEE Transactions on Emerging topics in Computing**  
**Third Issue of 2017 (September Issue)**

IEEE Transaction on Emerging Topics in Computing (TETC) seeks original manuscripts for a Special Issue on Cyber-Physical-Social Systems: Integrating Human into Computing. The last decade has seen human factors becoming increasingly important in computing systems. Therefore, by integrating human factors as part of a system, a cyber-physical social system (CPSS) encompasses not only cyberspace and physical world, but also human knowledge, mental capacity, and sociocultural elements. Just as the Internet has transformed the way that people interact with information, CPSS will transform the way people interact with every computing systems and create new revolutionary science, technical capabilities for better quality of life. To actualize this vision, CPSS no doubt requires further innovations in creating new device, service and computing architecture. This special issue will comprise state-of-the-art research in enabling cyber-physical social systems **with emphasis on computing**, including a broad range of enabling technologies in developing and optimizing the architecture, design, and operation of CPSS. Topics of interest include but are not limited to:

- New architecture, protocols, and services for CPSS
- High performance computing and many-task computing for CPSS
- Information fusion and data mining for CPSS
- Next generation computational technologies for CPSS
- New embedded devices, protocols, and applications for CPSS
- Security, privacy and trust computing for CPSS
- Energy-efficiency and green computing for CPSS
- Applications, simulations and field test for CPSS
- Big data analytics for CPSS
- New social cloud computing for CPSS
- Quality of Experience (QoE) and Quality of Protection (QoP) issues for CPSS
- Novel applications in smart healthcare, smart grid, and smart transportation for CPSS

Submitted articles must describe original research which is not published nor currently under review by other journals or conferences. Extended conference papers should contain at least 50% new material and will pass through the normal review process. As an author, you are responsible for understanding and adhering to our submission guidelines. You can access them at the IEEE Computer Society web site, [www.computer.org](http://www.computer.org). Please thoroughly read these guidelines before submitting your manuscript.

Please submit your paper to Manuscript Central at <https://mc.manuscriptcentral.com/tetc-cs>

**Important dates:**

- Submission Deadline: September 1, 2016
- Reviews Completed: December 1, 2016
- Major Revisions Due (if Needed): January 1, 2017
- Reviews of Revisions Completed (if Needed): February 1, 2017
- Minor Revisions Due (if Needed): March 1, 2017
- Notification of Final Acceptance: May 1, 2017
- Publication Materials for Final Manuscripts Due: June 1, 2017
- Publication date: Third Issue 2017 (September Issue)

Please address all correspondence regarding this special issue to Lead Guest Editor: Mianxiong Dong.

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