

## Special Issue on

“Advanced Computer Science and Applications for Soft Computing of Converged IT environments”

### Aim & Scope:

This special issue is to gather new soft computing trends and methodological recent advances on a wide range of problems arising in different fields to handle practical data of converged environment. Many advanced computational methods have been successfully applied to a range of optimization and classification problems in soft computing, but there are still many practical problems tackled by traditional methods that are generally difficult to solve experimentally in practical converged data. More specifically, many computational problems arising in fields of scientific programming have been addressed in AI, HPC, large-scale data mining and etc that handles practical converged data. Submissions are welcomed on scientific programming applied to optimization in practical data. We invite researchers and practitioners to submit their original research articles and theoretical articles.

This special issue is soliciting high quality technical papers addressing research practices and challenges in the areas of ubiquitous computing. It will reflect the state-of-the-art of the computational methods, involving theory, algorithm, numerical simulation, error and uncertainty analysis and/or novel application of new processing techniques in engineering, science, and other disciplines related to ubiquitous computing. Potential topics include, but are not limited to:

- Mobile and ubiquitous computing
- Dependable, reliable and autonomic computing
- Security and trust management
- Multimedia systems and services
- Networking and communications
- Database and data mining
- Game and software engineering
- Grid and scalable computing
- Embedded system and software
- Artificial intelligence
- Distributed and parallel algorithms
- Web and internet computing
- IT policy and business management

### Submission Instructions:

Before submission authors should carefully read over the Instructions for Authors, which are located at <http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/500>. Prospective authors should submit an electronic copy of their complete manuscript through the Springer submission system at <https://www.editorialmanager.com/soco/default.aspx> according to the submission schedule. Please select the special issue “C.S. and Apps for Soft Computing of Converged IT environments” for your submission. All submissions will undergo initial screening by the guest editors for fit to the theme of the Special Issue and prospects for successfully negotiating the review process.

**Important Dates:**

Paper submission: Aug. 30, 2017  
1st round review notification: Oct. 30, 2017  
1st revision due: Nov. 30, 2017  
2nd round review notification: Dec. 30, 2017  
Final acceptance notification : Jan. 30, 2018  
Publication: 1<sup>st</sup> or 2<sup>nd</sup> Quarter, 2018 <tentative>

**Guest Editors:**

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## Guest Editors' Short Bios

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### ***Prof. Gangman Yi***

Dr. Gangman Yi received his master's degree in Computer Sciences at Texas A&M University, USA in 2007, and doctorate in Computer Sciences at Texas A&M University, USA in 2011. In May 2011, he joined System S/W group in Samsung Electronics, Suwon, Korea. He worked at the Department of Computer Science & Engineering, Gangneung-Wonju National University, Korea, March 2012, and joined the Department of Multimedia Engineering, Dongguk University, Seoul, Korea, since September 2016. Dr. Yi has been researched in an interdisciplinary field of researches. His research focuses especially on the development of computational methods to improve understanding of biological systems and its big data. Dr. Yi actively serves as a managing editor and reviewer for international journals, and chair of international conferences and workshops.

### ***Prof. Yi Pan***

Dr. Yi Pan was born in Jiangsu, China. He entered Tsinghua University in March 1978 with the highest college entrance examination score among all 1977 high school graduates in Jiangsu Province. Dr. Pan is a Distinguished University Professor and Chair of the Department of Computer Science and Professor of the Department of Computer Information Systems at Georgia State University. Dr. Pan received his B.Eng. and M.Eng. degrees in computer engineering from Tsinghua University, China, in 1982 and 1984, respectively, and his Ph.D. degree in computer science from the University of Pittsburgh, USA, in 1991. Dr. Pan's research interests include parallel and cloud computing, wireless networks, and bioinformatics. Dr. Pan has published more than 330 papers including over 150 SCI journal papers and 50 IEEE Transactions papers. In addition, he has edited/authored 39 books. He has received many awards from organizations such as IEEE, NSF, AFOSR, JSPS, IBM, ISIBM, IISF and Mellon Foundation. Dr. Pan has served as an editor-in-chief or editorial board member for 15 journals including 7 IEEE Transactions and a guest editor for 12 special issues for 10 journals including 2 IEEE Transactions. He has organized numerous international conferences and workshops and has delivered over 40 keynote speeches at international conferences around the world. Dr. Pan is a "Great Master Face-to-Face" Series Speaker (2012), an IEEE Distinguished Speaker (2000-2002), a Yamacraw Distinguished Speaker (2002), a Shell Oil Colloquium Speaker (2002), and a senior member of IEEE. He is listed in Men of Achievement, Who's Who in Midwest, Who's Who in America, Who's Who in American Education, Who's Who in Computational Science and Engineering, and Who's Who of Asian Americans.

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Soft Computing

A Fusion of Foundations, Methodologies and  
Applications

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