

## Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

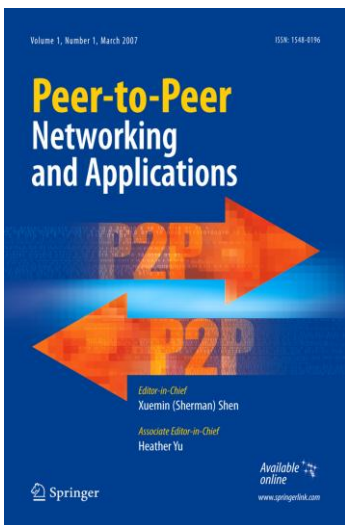
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Manuscripts should be submitted to: <http://PPNA.edmgr.com> under the article type "P2P Converged Ubiquitous Networks." This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats.

## Important Dates

- Paper submission: 30 Sept. 2012
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- Final papers: 31 Dec 2012
- Publication: 3Q/4Q 2013

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# Special Issue Call for Papers

## Technologies and Theories in P2P Converged Ubiquitous Networks

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Recently, rapid technological advancements in various networking technologies such as 3G/4G cellular systems, wireless sensor networks, and vehicular networks have led to the establishment of Peer-to-Peer ubiquitous convergence networks. One of typical examples for the next generation P2P ubiquitous convergence networks is P2P cloud computing systems. The P2P cloud systems enable convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. Although these P2P technologies introduce various convenient services and applications, the P2P convergence issues (e.g., energy-efficient network protocols and location privacy in heterogeneous networks) arise and have to be addressed. This special issue will present recent advanced theories in P2P to address those problems as well as applications and survey papers in P2P converged ubiquitous network and cloud computing environment.

Researchers and practitioners are invited to submit complete original papers dealing with the following topics (but not limited to) of ubiquitous convergence networks:

- Security issues in P2P converged ubiquitous networks
  - Privacy-preserving billing systems in P2P networks
  - P2P Location privacy in heterogeneous networks
  - P2P Scalable Vehicle-To-Vehicle authentication
- Energy-efficient networking in P2P
  - Low-power routing protocols in P2P networks
  - Energy-efficient MAC protocols in P2P networks
- Management issues of heterogeneous P2P networks
  - Network invasions and forensics in P2P
  - Cloud computing in network resource integrations in P2P
  - Self-healing and self-optimizing networking in P2P

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#### Short Biography

Dr. Changhoon Lee received his Ph.D. degree in Graduate School of Information Management and Security (GSIMS) from Korea University, Korea. He is now a professor in the School of Computer Engineering, Hanshin University, Korea. He has been serving not only as chairs, program committee, or organizing committee chair for many international conferences and workshops but also as a guest editor for international journals by some publishers. His research interests include information security, cryptography, digital forensics, embedded security in cars, ubiquitous and pervasive computing etc. He is currently a member of the IEEE, IEEE CS, IEEE Communications, IACR, KIISC, KIPS, FTRA, KITCS, KMMS, KONI, and KIIT societies.

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Shiuh-Jeng Wang was born in Taiwan, 1967. He received the M.S. degree in Applied Mathematics from National Chung-Hsing University, Taichung, Taiwan, in 1991. He received his PhD degree in Electrical Engineering at National Taiwan University, Taipei, Taiwan in 1996. He is currently with Dept. of Information Management at Central Police University, Taoyuan, Taiwan, where he directs the Information Cryptology and Construction Laboratory (ICCL, <http://hera.im.cpu.edu.tw>). He was a recipient of the 5th Acer Long-Tung Master Thesis Award and the 10th Acer Long-Tung Ph.D Dissertation Award in 1991 and 1996, respectively. Dr. Wang was a visiting scholar of Computer Science Dept. at Florida State University (FSU), USA in 2002 and 2004. He also was a visiting scholar of Dept. of Computer and Information Science and Engineering at University of Florida (UF) in 2004, 2005, 2010 and 2011. He served the editor-in-chief of the journal of Communications of the CCISA in Taiwan from 2000-2006. He has been elected as the Director of Chinese Cryptology and Information Security Association (CCISA) since 2000. Dr. Wang academically toured the CyLab with School of Computer Science in Carnegie Mellon University, USA, in 2007 for international project collaboration inspection. He is also the authors of eight books (in Chinese versions): Information Security, Cryptography and Network Security, State of the Art on Internet Security and Digital Forensics, Eyes of Privacy –Information Security and Computer Forensics, Information Multimedia Security, Computer Forensics and Digital Evidence, Computer Forensics and Security Systems, and Computer and Network Security in Practice, published in 2003, 2004, 2006, 2007, and 2009, respectively.

Prof. Wang has published over 200 papers in referred Journals/Conference proceedings/Technique reports so far. He is a full professor and a member of the IEEE, ACM. His current interests include information security, digital investigation and computer forensics, steganography, cryptography, data construction and engineering. He served a lot of academic and reputable journals in the position of guest-editors. He is currently the corresponding editor-IEEE J-SAC (IEEE Journal on Selected Areas in Communications), at <http://www.comsoc.org/livepubs/sac/index.html>

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Dr. Liudong Xing received her B.E. degree in Computer Science from Zhengzhou University, China, M.S. and Ph.D. degrees in Electrical Engineering from the University of Virginia (UVa). She is currently an Associate Professor in the Department of Electrical and Computer Engineering at the University of Massachusetts, Dartmouth. She is also an adjunct professor of the Collaborative Autonomic Computing (CAC) laboratory at the School of Computer Science & Engineering, University of Electronics Science and Technology of China. Her current research focuses on combinatorial reliability analysis of complex systems and networks. Her research has been partly supported by the US National Science Foundation (NSF). Dr. Xing served as a program co-chair for the IEEE DASC 2006 & UC-Sec 2009, a program vice chair for ICESS 2007 & ICPADS 2008 & DASC 2009, and an associate Guest Editor for the Journal of Computer Science on a special issue of "Reliability and Autonomic Management" in 2006. She is the Editor for the Short Communications in the International Journal of Performability Engineering. She also serves on the program committees of many international workshops and conferences. Dr. Xing is the recipient of the "Scholar of the Year" award of UMass Dartmouth in 2010 and the IEEE Region 1 Technological Innovation (Academic) Award in 2007. She is also the co-recipient of the Best Paper Award at the IEEE International Conference on Networking, Architecture, and Storage in 2009. She is a senior member of IEEE and a member of Eta Kappa Nu.