Special Issue: Advanced Technologies and Applications for Future Wireless and Mobile Communication Systems

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Wireless and mobile communications have been extending beyond their fixed network infrastructure boundaries by incorporating a wide range of emerging wireless/mobile networking technologies and embedded device platforms, supporting a plurality of smart handhelds as well as surrounding objects. Broadband connectivity via wireless/mobile networking has enabled their ubiquitous access to the Internet, which completely enriches various potential of IT industries. Furthermore, these wireless and mobile communication technologies have gradually merged with cloud computing and big data paradigms, and accomplished considerable technological advances and innovative businesses. However, there are still significant research challenges in the realization of the future wireless and mobile communication systems.

In this context, this special issue aims to solicit new wireless and mobile technologies and challenges for supporting future communication systems, which necessarily span from a variety of mobile devices/objects, networking, virtualization platform, to application/service models.

We hope that this special issue will contribute to further researches in the field of wireless and mobile communication systems providing services and applications. This special issue comprising seventeen papers are focused on various aspects of future wireless and mobile communication systems and their applications. Papers were selected on the basis of their originality and fundamental ideas rather than the thoroughness of techniques deployed.

We would like to thank all authors of the high quality papers submitted for consideration for publication for their contribution. We also would like to thank all reviewers for

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their critical review work which contributed significantly to the quality of the presented work. Thanks are also due to Dr. Ramjee Prasad, the Editor-in-Chief, and his editorial staff for their support and help in preparing this special issue.

Jongsung Kim received his Bachelor and Master degrees in Mathematics from Korea university, Korea in 2000 and 2002, respectively. He received double Doctoral degrees completed in November 2006 and February 2007 at the ESAT/COSIC group of Katholieke Universiteit Leuven and at Engineering in Information Security of Korea University, respectively. He had been a Research Professor of Center for Information Security Technologies (CIST) at Korea University, Korea, from March 2007 till August 2009, and an assistant professor of department of e-business at Kyungnam University, Korea, from September 2009 till February 2013. Dr. Kim has been an associate professor of department of mathematics at Kookmin University, Korea, since March 2013. Dr. Kim has published about 60 research papers in international journals and conferences. He has been serving as chairs, program committee, or organizing committee chair for many international conferences and workshops. In addition, he has been serving as a Guest Editor for international journals by some publishers:

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