FOREWORD

Special Section on Trust, Security and Privacy in Computing and Communication Systems

With rapid development and increasing complexity of computer and communication systems and networks, user requirements for trust, security and privacy are becoming more and more demanding. However, there is a grand challenge that traditional security technologies and measures may not meet user requirements in open, dynamic, heterogeneous, mobile, wireless, and distributed computing environments. Therefore, we need to build systems and networks in which various applications allow users to enjoy more comprehensive services while preserving trust, security and privacy at the same time. As useful and innovative technologies, trusted computing and communications are attracting researchers with more and more attention.

This special section on Trust, Security and Privacy in Computing and Communication Systems aims at bringing together researchers and practitioners in the world working on trusted computing and communications, with regard to trust, security, privacy, reliability, dependability, survivability, availability, and fault tolerance aspects of computer systems and networks, and providing a forum to present and discuss emerging ideas and trends in this highly challenging research field. In order to achieve these goals, an editorial committee for this special section was organized to publish new research results on this area. We received 43 papers including 15 recommended papers with significant improvements from the TrustCom 2011 conference held in Hong Kong during December 11-13, 2010. Finally, we accepted 22 papers (including 3 invited papers and 4 letters) for publication through a rigorous reviewing process. The accepted papers cover a wide variety of topics in this hot research area. We believe that all the papers provide a lot of useful information for readers studying or working in this area. We also believe that this special section will definitely intrigue more research on this promising area in the near future.

The editorial committee would like to thank all of the authors who submitted their papers to this special section. We would also like to thank all of the reviewers who spent a lot of time on reviewing papers with a lot of valuable comments and suggestions, which contributed a lot to the selection of high-quality papers.

Guojun Wang, Guest Editor-in-Chief

Guojun Wang *(Member)* received B.Sc. in Geophysics, M.Sc. in Computer Science, and Ph.D. in Computer Science, from Central South University, P.R. China. He is Professor at Central South University (CSU), Head of Department of Computer Science at CSU, and Director of Trusted Computing Institute at CSU. He has been Adjunct Professor at Temple University (USA), Visiting Scholar at Florida Atlantic University (USA), Visiting Researcher at the University of Aizu (Japan), and Research Fellow at the Hong Kong Polytechnic University (Hong Kong). His research interests include trusted computing, pervasive computing, mobile computing, and software engineering. He is a senior member of China Computer Federation, and a member of IEEE and ACM.