Foreword

As we know that the Internet of Things (IoT), cloud computing, and wireless networks have been playing a larger and larger role in our daily lives. Nowadays, the majorities of researchers are working in these areas. The future marketing projects will have to include high investment to manage the smart devices, smart homes, smart buildings, energy management in cloud, secure communication, and energy efficient protocol designs for wireless systems. The mission of this book is to integrate both research and education, and present the details of some promising technologies of the IoT, cloud computing and wireless networks in such a manner that it can be used as a textbook for undergraduate and graduate courses as well as a good reference book that guides researchers to face the future challenges for open research problems in above areas. This book indeed is a comprehensive resource on the latest technological advancements in the development of the IoT, cloud computing, and wireless networks.

I congratulate and appreciate Managing Editor Prof. Surjit Singh for his diligent work to bring out this book in the current form. I am also extremely happy to see the contributions from experts of different countries to the writing work of the book. I hope that it will serve as a valuable textbook for the students and a useful reference for the researchers and practitioners majoring in the fields of computing, communication networks, and security. I highly recommend this book to them.

Xiao-Zhi Gao
University of Eastern Finland, Finland

Xiao-Zhi Gao *received his B.Sc. and M.Sc. degrees from the Harbin Institute of Technology, China in 1993 and 1996, respectively. He obtained his D.Sc. (Tech.) degree from the Helsinki University of Technology (now Aalto University), Finland in 1999. He is now working as a professor at the University of Eastern Finland, Finland. Prof. Gao has published more than 350 technical papers on refereed journals and international conferences, and his current Google Scholar H-index is 27. His research interests are nature-inspired computing methods (e.g., neural networks, fuzzy logic, evolutionary computing, swarm intelligence, and artificial immune systems) with their applications in optimization, data mining, machine learning, control, signal processing, and industrial electronics.*