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Bo Li · Lei Shu
Deze Zeng (Eds.)

Communications and Networking

12th International Conference, ChinaCom 2017
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Proceedings, Part I

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Preface

The 12th International Conference on Communications and Networking in China (CHINACOM 2017) was successfully held in Xi'an, China, during October 10–12, 2017. The aim of CHINACOM is to bring together Chinese and international researchers and practitioners, from over the world, to exchange original ideas and share R&D advances in communications and networking.

ChinaCom 2017 consisted of 16 technical tracks and one workshop: Wireless Communications and Networking, Next-Generation WLAN, Big Data Network, Cloud Communications and Networking, Ad-Hoc and Sensor Networks, Satellite and Space Communications and Networking, Optical Communications and Networking, Information and Coding Theory, Multimedia Communications and Smart Networking, Green Communications and Computing, Signal Processing for Communications, Network and Information Security, Machine-to-Machine and Internet of Things, Communication QoS, Reliability and Modeling, Cognitive Radio and Networks, E-Health, and Workshop on Advances and Trends of V2X Networks. CHINACOM has become one of the major events in these areas in the Asia-Pacific region. It has been successful in encouraging interactions among participants, exchanging novel ideas, and disseminating knowledge.

Following the great success of the past CHINACOM events held during 2006–2016, CHINACOM 2017 received more than 178 submitted papers, out of which 112 papers were selected for presentation. The Technical Program Committee (TPC) did an outstanding job in organizing a diverse technical program consisting of 25 symposia that covered a broad range of research areas in information and communication technologies. Under the excellent leadership of TPC Co-chairs Prof. Pinyi Ren, Prof. Yunsong Li, and Prof. Chilian Chen, the TPC members handled the reviews of papers, with more than three reviews per paper on average.

The technical program featured five outstanding keynote speakers, who presented their vision of wireless communication systems in theory and practice: Prof. Jian-Nong Cao, Hong Kong Polytechnic University, Hong Kong, SAR China; Prof. Bob Li, University of Electronic Science and Technology of China, China; Prof. Jian-Dong Li, Xidian University, China; Prof. Ying-Chang Liang, University of Electronic Science and Technology of China, China; and Prof. Ping Zhang, Beijing University of Posts and Telecommunications, China.

We would like to thank the TPC co-chairs, TPC members, all the reviewers, the workshop co-chairs, the Web chairs, the publication chair, the local chairs, and all the members of the Organizing Committee, for their assistance and efforts to make the conference succeed. The continuing sponsorship by EAI and Springer is gratefully acknowledged. We also express our appreciation to the conference keynote speakers, tutorial speakers, paper presenters, and authors.

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