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Quan Yu (Ed.)

Space Information Networks

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Revised Selected Papers

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Preface

The Space Information Network Conference is the annual conference of the Department of Information Science, National Natural Science Foundation of China. SINC is supported by the key research project on the basic theory and key technology of space information networks of the National Natural Science Foundation of China, and organized by the “Space Information Network” major research program guidance group, in order to explore the progress and development tendency of the space information network and related fields, to show the latest technology and academic achievements in the space information network, to build a platform for the academic exchange of researchers at home and abroad in the space information network and industry sectors, to share the achievements and experiences in research and application, and to discuss the new theory and new technology of the space information network. There are three sections in the proceedings of SINC 2018, including “Architecture and Efficient Networking Mechanisms,” “Theories and Methods of High-Speed Transmission,” and “Sparse Characterization and Fusion Processing.”

This year, SINC received 140 submissions, including 98 English papers and 42 Chinese papers. After a thorough reviewing process, 24 outstanding English papers were selected for this volume (retrieved by EI), accounting for 29.6% of the total number of English papers. 23 of the 24 English papers are included in this volume.

The high-quality program would not have been possible without the authors who chose SINC 2018 as a venue for their publications. We are also very grateful to the Academic Committee members and Organizing Committee members, who put a tremendous amount of effort into soliciting and selecting research papers with a balance of high quality and new ideas and new applications.

We hope that you enjoy reading and benefit from the proceedings of SINC 2018.

November 2018

Quan Yu

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SINC 2018 was organized by the Department of Information Science, National Natural Science Foundation of China, Changchun University of Science and Technology, Jilin University, and PTPress.

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