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Preface

The Space Information Networks Conference (SINC) 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 Networks major research program guidance group. The conference aims to explore new progress and developments in space information networks and related fields, to show the latest technological and academic achievements in space information networks, to build an academic exchange platform for researchers at home and abroad working on space information networks and industry sectors, to share their achievements and experiences in research and applications, and to discuss the new theory and new technology of space information networks. SINC 2017 was the second conference in the series. There are three sections in these proceedings including models of space information networks and mechanisms of high-performance networking, theory and method of high-speed transmission in space dynamic networks, and sparse representation and fusion processes in space information.

This year, we received 145 submissions, including 96 English papers and 49 Chinese papers. After a thorough reviewing process, 30 outstanding English papers were selected for this volume (retrieved by EI), accounting for 31.3% of the total number of English papers, with an acceptance rate of 26.9%. This volume contains the 27 English full papers and three short papers presented at SINC 2017.

The high-quality program would not have been possible without the authors who chose SINC 2017 as a venue for their publications. We are also very grateful to the Program 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 2017.

November 2017

Quan Yu
Organization

SINC 2017 was organized by the panel of guiding experts of the “Spatial Information Network” Major Research Plan, Department of Information Science, National Natural Science Foundation of China, Posts and Telecom Press, *Journal of Communications and Information Networks* Periodical Office, Ningxia University, and the Beijing Institute of Remote Sensing Information.

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