

Preface

SINC 2016 was the First Space Information Networks 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. The aim is to explore new progress and developments in space information networks and related fields, to show the latest technology and academic achievements in space information networks, to build an academic exchange platform for researchers at home and abroad working on space information network and industry sectors, to share the achievements and experience of research and applications, and to discuss new theory and new technologies in space information networks. There were three tracks in SINC 2016: models of space information networks and mechanisms of high-performance networking, theory methods of high-speed transmission in space dynamic networks, and sparse representation and fusion processes in space information.

This year, SINC received 139 submissions, including 97 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 24.7% of the total number of English papers, with an acceptance rate of 24.5%. This volume contains the 18 English full papers presented at SINC 2016 and six short papers.

The high-quality program would not have been possible without the authors who chose SINC 2016 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 novel applications.

We hope that you enjoy reading the proceedings of SINC 2016.

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