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Preface

The International Consortium of Chinese Mathematicians was founded in August 2016. Its primary purpose is to promote and advance mathematics within the extended Chinese community, and to build good relationships between Chinese mathematicians and other mathematicians throughout the world.

At that the time of the Consortium's founding, it was decided that the Consortium would meet annually, with every third meeting to be a major international conference called the International Congress of Chinese Mathematicians.

The first meeting of the Consortium was held in December of 2017 at the Zhu Jiang Hotel in Guangzhou, Guangdong. Attendance was good, with about four hundred conference-goers. About 150 mathematicians presented their outstanding works in various branches of mathematics, ranging from number theory to geometry, to analysis and applied mathematics.

The present volume consists of 30 expository papers by speakers at the event, based upon their lectures given there.

To be consistent with the mission of ICCM, all contributors have been asked to write high-quality expository papers which serve as accessible introductions to, and comprehensive overviews of, the subjects under discussion. All papers have been carefully refereed.

We are most grateful for the support of Sun Yat-sen University, and especially of Professor Xi Ping Zhu. And we are grateful to the conference speakers—for the talks they presented, and for their essays based upon those talks, which are recorded in this volume.

Lizhen Ji, Shiu Yuen Cheng, Shing Tung Yau, and Xi Ping Zhu

