Preface

This special issue on algebraic geometry contains 12 articles, most of which are invited from the participants of the International Conference “Algebraic Geometry in East Asia”, which was held at Morningside Center of Mathematics, Academy of Mathematics and Systems Science (AMSS), Chinese Academy of Sciences (CAS) in Beijing from October 14 to October 18, 2013.

The conference “Algebraic Geometry in East Asia” (AGEA) started with its first meeting held at the International Institute for Advanced Studies in Kyoto in 2001. A primary goal of the conference has been to provide opportunities to meet and exchange ideas among East Asian algebraic geometers. This is the fifth meeting following the second at Hanoi in 2005, the third at Seoul in 2008 and the fourth at Taipei in 2011. The scientific committee consisted of Jungkai Alfred Chen, Yujiro Kawamata, JongHae Keum, Xiaotao Sun and Stephen Yau. The local organizing committee were served by Yifei Chen, Baohua Fu and Xiaotao Sun. The conference featured 21 invited talks with about 60 participants from East Asia and Europe. It was financially supported by National Natural Science Foundation of China and by AMSS of Chinese Academy of Sciences. We are grateful to these organizations for their generous support. We would like to thank all the speakers and participants for the wonderful talks and stimulating discussions, which made the conference successful.

Most of the articles in this special issue were invited by the organizers as guest editors of the journal *SCIENCE CHINA Mathematics*. All of the articles went through the regular refereeing procedure of the journal. We would like to thank all the authors and referees for the cooperation.

The organizers of the 5th AGEA
Beijing
January, 2015