

**The 13th Mathematical Society of Japan  
International Research Institute  
— Moduli Spaces and Arithmetic Geometry —**

The conference “Moduli Spaces and Arithmetic Geometry” was held in 2004, when Professor Masaki Maruyama turned sixty (*kanreki* in Japanese). Professor Maruyama received his Bachelor of Arts in 1967, his Master of Arts in 1969, and his Dr. of Sci. in 1972, all from Kyoto University. He published parts of his master’s thesis as a book, which was quite unusual in mathematics. In his master’s and doctoral theses, he established the theory of elementary transformation, a construction principle of algebraic vector bundles over bases of dimension up to three. He became a research associate of Kyoto University after he received his MA, and visited Harvard University for one year after he received his Dr. of Sci. Since this visit, he has been working on various aspects of moduli problems\*. He has visited many places overseas and supervised scores of students.

In this conference, there were 153 participants including 20 from overseas. There were five series lectures and eight one-hour lectures by invited speakers. The present volume consists of eight articles by invited speakers and five by participants. We thank all the speakers and participants for their invaluable contributions, which made the conference most successful.

The conference was supported by the Mathematical Society of Japan, Research Institute for Mathematical Sciences (RIMS) and the Grant-in-Aid for Scientific Research<sup>†</sup> of the Japan Society of Promotion of Science. We are grateful for their generous financial support.

November 2006

Organizing Committee

Shigeru Mukai  
Atsushi Moriwaki  
Yoichi Miyaoka  
Shigefumi Mori  
Iku Nakamura  
Masa-Hiko Saito  
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\*The list of his publications is in the following pages.

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