

Preface

The workshop on *Arithmetic and geometry of K3 surfaces and Calabi–Yau threefolds* was held at the Fields Institute and University of Toronto from August 16 to 25, 2011. The workshop was organized by Charles F. Doran (Alberta), Shigeyuki Kondō (Nagoya), Radu Laza (Stony Brook), James D. Lewis (Alberta), Matthias Schütt (Hannover), and Noriko Yui (Kingston/Fields).

This proceedings volume for the 2011 Calabi–Yau workshop is edited by Radu Laza, Matthias Schütt, and Noriko Yui. The editors wish to express their appreciation to all the contributors for preparing their manuscripts for the Fields Communications Series, which required extra effort in presenting not only current developments but also some background material on the discussed topics. All papers in this volume were peer-reviewed. We are deeply grateful to all the referees for their efforts in evaluating the articles, in particular, in the limited time frame.

The workshop was financially supported by various organizations. In addition to the Fields Institute, the workshop was supported by NSF (grant no. 1100007), JSPS (Grant-in-Aid (S), No. 22224001), and DFG (GRK 1463 “Analysis, Geometry and String Theory”). Additionally, several participants have used their individual grants (e.g., NSF or NSERC) to cover their travel expenses. We are thankful to all these sponsor organizations: their support made possible the participation of a large number of junior participants and of a significant number of researchers from outside North America. This in turn led to a very dynamic and active workshop.

Some of the articles were copy-edited by Arthur Greenspoon of Mathematical Reviews. The editors are grateful for his help towards improving both the stylistic and mathematical presentations.

Last but not least, we thank Debbie Iscoe of the Fields Institute for her help in re-formatting articles in the Springer style and assembling this volume for publication.

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