

Minimal Surfaces, Geometric Analysis and Symplectic Geometry

**ADVANCED STUDIES
IN PURE MATHEMATICS 34**

Chief Editor: Eiichi Bannai (Kyushu University)

**Minimal Surfaces, Geometric
Analysis and Symplectic Geometry**

Edited by

Kenji Fukaya (Kyoto University)

Seiki Nishikawa (Tohoku University) and

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Mathematical Society of Japan

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Preface

The eleventh year program of the Japan-U. S. Mathematics Institute, which was held during 1998-1999 at the Johns Hopkins University, was devoted to Minimal Surfaces, Geometric Analysis, and Symplectic Geometry. This program culminated in a week-long workshop and conference held at the Institute from March 16 to 21, 1999 under the co-sponsorship of the Japan Society for the Promotion of Science and the National Science Foundation as a part of the Japan-U. S. Cooperative Science Program. The workshop and conference were organized by K. Fukaya of Kyoto University, S. Nishikawa of Tohoku University, W. Minicozzi, J. Morava and J. Spruck of Johns Hopkins University, with the aim of facilitating interaction between the mathematicians working in these and related areas. About seventy mathematicians, from Japan, the U. S. and Europe, participated in the meeting and discussed recent developments.

This volume is a collection of articles contributed by speakers of the workshop and conference, which presents extended or modified versions of the lectures delivered at the meeting. It is the hope of the editors that this volume will prove to be a stimulus for further research into these rapidly developing areas.

The organizers and editors are grateful to the Japan Society for the Promotion of Science, the National Science Foundation, and the Department of Mathematics of the Johns Hopkins University for their financial support.

May, 2001

Kenji Fukaya

Seiki Nishikawa

Joel Spruck

*All papers in this volume have been refereed and are in final form.
No version of any of them will be submitted for publication elsewhere.*

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