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Preface

This book contains the proceedings of Geometric Modeling and Processing 2006, the fourth in a biennial international conference series on geometric modeling, simulation and computing, which was held July 26–28, 2006 in Pittsburgh, USA. The previous conferences were in Hong Kong (2000), Tokyo (2002), and Beijing (2004). The next conference (GMP 2008) will be held in China.

GMP 2006 received 84 paper submissions, covering various areas of geometric modeling and processing. Based on the recommendations of 114 reviewers, 36 regular papers were selected for conference presentation, and 21 short papers were accepted for poster presentation. The authors of these proceedings come from Austria, Belgium, Canada, Chile, China, Colombia, Greece, Indonesia, Israel, Japan, Korea, Lebanon, Singapore, the UK, and USA.

We are grateful to the authors who submitted to GMP 2006 and to the many dedicated reviewers. Their creativity and hard work substantially contributed to the technical program of the conference. We would also like to thank the members of the Program Committee for their strong support. We also wish to thank David Gossard, GMP2006 Conference Chair, and past GMP Program Co-chairs Shimin Hu, Ralph Martin, Helmut Pottmann, Hiromasa Suzuki, and Wenping Wang, whose current and previous work has helped to establish this conference as a major event in geometric modeling and processing. Further, we wish to thank the members of the Computer Integrated Engineering Laboratory at Carnegie Mellon University, in particular Soji Yamakawa, for their invaluable assistance throughout the conference preparation.

We gratefully acknowledge the financial support of Carnegie Mellon University. Finally, we wish to thank all conference participants for making GMP 2006 a success.

We hope that the readers will enjoy this book. In our view, it impressively demonstrates the rapid progress in geometric modeling and processing. It shows the importance and range of this field, with its impact in such areas as computer graphics, computer vision, machining, robotics, and scientific visualization. Finally, we hope that the conference and its proceedings will stimulate further exciting research.

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