Proceedings of the 21st International Meshing Roundtable

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Preface

The papers in this volume were selected for presentation at the 21st International Meshing Roundtable (IMR), held on October 7–10, 2012 in San Jose, CA, USA. The International Meshing Roundtable conference series was started by Sandia National Laboratories in 1992 as a small meeting of organizations striving to establish a common focus for research and development in the field of mesh generation and closely related topics. Now after 21 consecutive years, the International Meshing Roundtable has become recognized as an international focal point annually attended by researchers and developers from dozens of countries around the world.

The papers in this volume present theoretical and novel ideas and algorithms with practical potential, as well as technical applications in science and engineering, geometric modeling, computer graphics, and visualization. These papers were selected by the Program Committee among 57 paper submissions. The committee selected these papers based on the input from peer reviewers on the perceived quality, originality, and appropriateness to the theme of the International Meshing Roundtable. We would like to thank all who submitted papers, and also extend our appreciations to the colleagues who provided reviews of the submitted papers. The names of the reviewers are acknowledged in the following pages.

The 21st IMR consists of technical presentations from contributed papers, research notes, keynote and invited talks, short course presentations, a poster session and competition, and a professional development session. The Program Committee would like to express our appreciation to all who have participated to make the IMR a successful and enriching experience. The conference received travel supports from the U.S. Army Research Office (ARO) for student and postdoctoral attendees from the U.S. institutions, travel supports from the CEA of France for student and postdoctoral attendees from European institutions, and additional financial support from Siemens. We extend our appreciations to these sponsors.

Last but not least, we extend special thanks to Cherri Porter and Erica Martinez of Sandia National Laboratories for their times and efforts to make the 21st IMR a success.

August 2012 21st IMR Program Committee

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