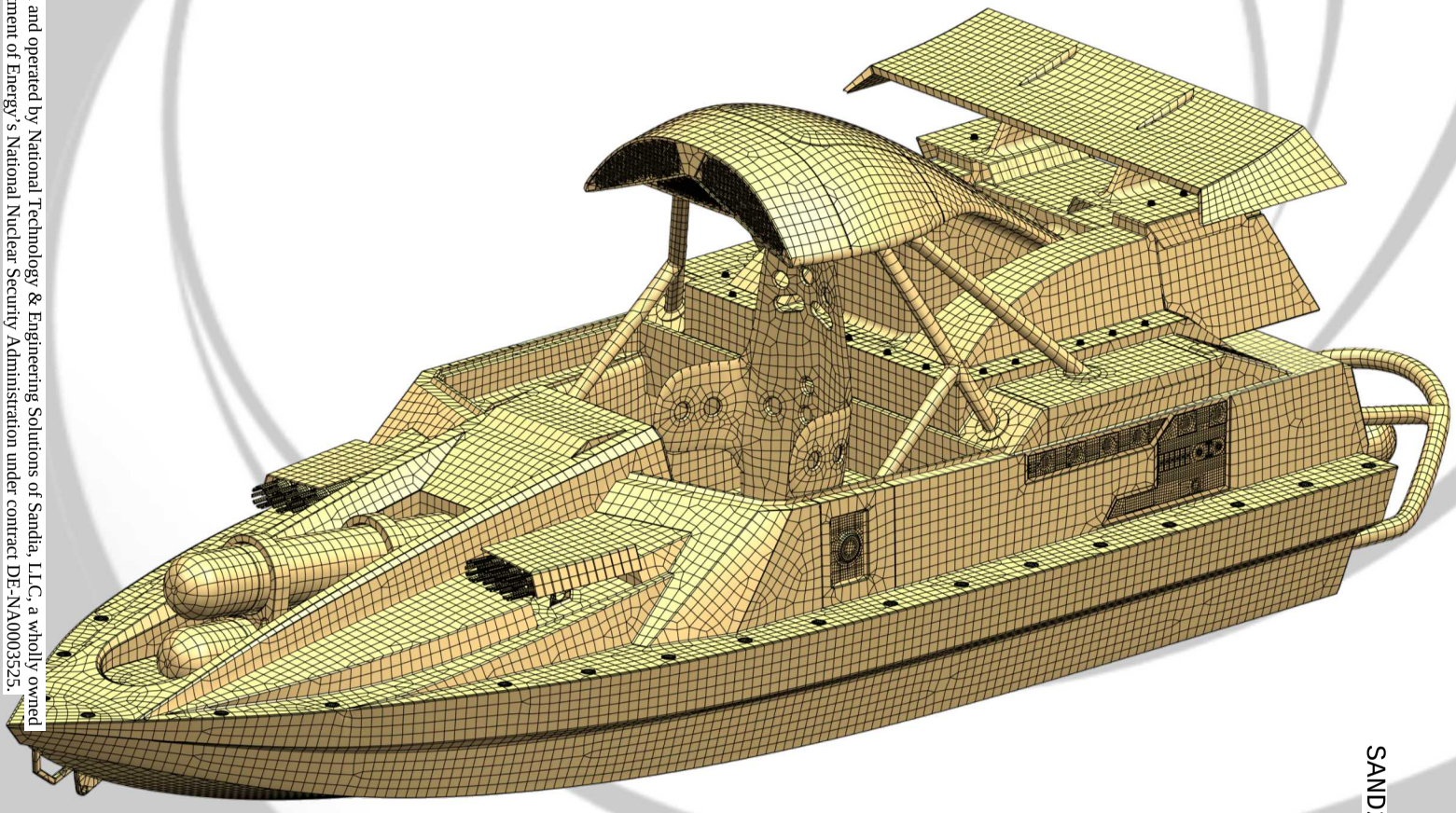
Proceedings of the 28th International Meshing Roundtable

IMR28

14-17 Oct. Buffalo, New York



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Proceedings of the 28th International Meshing Roundtable

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28th International Meshing Roundtable
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Preface

The papers in this volume were peer-reviewed and selected for presentation at the 28th International Meshing Roundtable (IMR), held October 14-17, 2019 in Buffalo, New York, USA. The International Meshing Roundtable 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. Now after 28 consecutive years, it has become clear that the International Meshing Roundtable has become the recognized international focal point for state-of-the-art meshing research collaboration spanning research and development from universities, commercial companies and government laboratories.

The 28th International Meshing Roundtable consisted of presentations of peer-reviewed technical papers, research abstracts, keynote and invited talks, short course presentations, a poster session and competition, a meshing contest, and an open space session. This year we have made the proceedings openly accessible by hosting them on Zenodo under a creative commons license. The Program Committee would like to express our appreciation to all who participate in making the International Meshing Roundtable a successful and enriching experience.

The papers in these proceedings present novel contributions that range from the theoretical to practical. The committee selected papers based on the input from peer reviewers, based on the perceived quality, originality, and appropriateness to the theme of the International Meshing Roundtable. This year the committee accepted twenty-seven papers out of thirty-seven submissions. We would like to thank all who submitted papers. We also extend our appreciation to the colleagues who provided reviews of the submitted papers. Their efforts were essential to the process of selecting papers for the International Meshing Roundtable. The names of the reviewers are acknowledged in the following pages.

The conference received travel support from the National Science Foundation (NSF) for student and postdoctoral attendees from the U.S. institutions and additional travel support from Pointwise, csimsoft, and Sandia National Laboratories. We deeply acknowledge their support. We extend special thanks to Kathy Loeppky of Sandia National Laboratories for her time and effort to make the 28th International Meshing Roundtable a success.

October 2019,

28th IMR Program Committee

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