

Preface

Dynamic Behavior of Materials, Volume 1: Proceedings of the 2013 Annual Conference on Experimental and Applied Mechanics represents one of eight volumes of technical papers presented at the SEM 2013 Annual Conference & Exposition on Experimental and Applied Mechanics organized by the Society for Experimental Mechanics and held in Lombard, IL, June 3–5, 2013. The complete Proceedings also includes volumes on: *Challenges in Mechanics of Time-Dependent Materials and Processes in Conventional and Multifunctional Materials*; *Advancement of Optical Methods in Experimental Mechanics*; *Mechanics of Biological Systems and Materials*; *MEMS and Nanotechnology*; *Experimental Mechanics of Composite, Hybrid, and Multifunctional Materials*; *Fracture and Fatigue*; *Residual Stress, Thermomechanics & Infrared Imaging*, *Hybrid Techniques and Inverse Problems*.

Each collection presents early findings from experimental and computational investigations on an important area within Experimental Mechanics, Dynamic Behavior of Materials being one of these areas.

The Dynamic Behavior of Materials track was initiated in 2005 and reflects our efforts to bring together researchers interested in the dynamic behavior of materials and structures and provide a forum to facilitate technical interaction and exchange. In the past years, this track has represented an ever-growing area of broad interest to the SEM community, as evidenced by the increased number of papers and attendance.

The contributed papers span numerous technical divisions within SEM, which may be of interest not only to the dynamic behavior of materials community but also to the traditional mechanics of materials community.

The track organizers thank the authors, presenters, organizers, and session chairs for their participation, support, and contribution to this track. We are grateful to the SEM Technical Division chairs who cosponsored and/or co-organized the sessions in this track. We would also like to acknowledge the SEM support staff for their devoted efforts in accommodating the large number of paper submissions this year, making the 2013 Dynamic Behavior of Materials track successful.

Livermore, CA, USA
Aberdeen, MD, USA
Socorro, NM, USA

Bo Song
Dan Casem
Jamie Kimberley

Dynamic Behavior of Materials, Volume 1
Proceedings of the 2013 Annual Conference on
Experimental and Applied Mechanics
Song, B.; Casem, D.; Kimberley, J. (Eds.)
2014, X, 496 p. 120 illus., Hardcover
ISBN: 978-3-319-00770-0