



Foreword

26th International Symposium on Ballistics, Miami, FL, USA, 12–16 September 2011

This issue of the Journal of Applied Mechanics contains twenty-three scientific papers presented at the 26th ISB, organized by the National Defense Industrial Association (NDIA, www.ndia.org), under the auspices of the International Ballistics Society (IBS, www.ballistics.org).

Symposium Chairman: Dr. Ernest L. Baker, US Army Materiel Command

Symposium Vice Chairman: Dr. Douglas Templeton, US Army Materiel Command

IBS Chairman: Mr. Jack Riegel III, R3 Technology, Inc., Springfield, VA, USA

The Symposium will have 61 oral presentations and 224 posters, making a total of 285. Of these papers a number were submitted for review by this Journal. Finally 23 of those were selected and are published in this issue! All papers published by the Journal have been duly peer reviewed and approved according to the established practices and criteria of this Journal.

Guest Editor for this issue was Professor Bo Janzon, SECRAB Security Research and Mälardalen University, Sweden, bo.janzon@secrab.eu.

Participating in the creation of this issue were:

Reviewers

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The Guest Editor would like to **convey his profound thanks** to all reviewers, the JAM Editor and Editorial Staff, and all others involved, who have, sacrificing their own time and comfort, performed their important tasks above and beyond the calls of duty! Without the collaboration of the Reviewer group of very

highly competent ballisticians this issue of the JAM could never have been prepared and published!

Bo Janzon
Guest Editor

The International Symposium on Ballistics

The International Symposium on Ballistics is an opportunity for ballistics scientists, engineers, and others to report, share, and discuss current research and advances in ballistics and visions of the future. This symposium allows exposure to the most current state-of-the-art technology in ballistics, provides opportunities for interaction with some of the world's leading experts in the field of ballistics technology, and offers the chance to present, exhibit, and share scientific research and development with an international group of professionals.

27th International Symposium on Ballistics

will occur on 22–26 Apr. 2013 in Freiburg (Breisgau), Germany. It will be organized by the Fraunhofer Institute for High-Speed Dynamics, Ernst-Mach-Institut (EMI, www.emi.fraunhofer.de), in collaboration with the International Ballistics Society. The Symposium website can be found at <http://www.ballisticsymposium2013.org/>.

Any questions on the submission and publishing of refereed papers for the 27th ISB can be sent to the Guest Editor, Professor Bo Janzon, bo.janzon@secrab.eu.

International Ballistics Society

The International Ballistics Society (IBS, www.ballistics.org) was constituted during the 25th International Symposium on Ballistics at Beijing, China, and is concerned with promoting the science of ballistics internationally in the broadest sense. Its objectives are:

- (a) to provide at the highest level a means of technical interchange and experience in this field by ensuring that an International Symposium on Ballistics (ISB) takes place regularly and that the organization thereof is of a high standard.
- (b) to organize and conduct additional activities with a view to the development and advancement of the field of ballistics.
- (c) to enhance professional opportunities by providing short courses, opportunities for peer reviewed publications, and additional activities to promote career development of its members.

The International Ballistics Society is a natural development, preceded by the International Ballistics Committee (IBC), founded in 1993. Currently (Mar. 2011), the Society has 522 members from 34 countries. Any person working within or having a special interest in any branch of ballistics will be most welcome to apply for membership!