

Preface

Four years ago, the concept of an International Symposium on Explosion, Shock Wave and Hypervelocity Phenomena seemed truly daring and a bit far-fetching. Nevertheless, as it was concluded, we were overwhelmed at the number and quality of the submissions and the high attendance of participants. The First Symposium was successfully organized at Kumamoto University, Japan during March 2004. As scheduled earlier, at the same place, the Second International Symposium (2nd ESHP Symposium) was held during March 6-9, 2007.

The Symposium was organized by Shock Wave and Condensed Matter Research Center, Kumamoto University, 21st Century COE Program on Pulsed Power Science, Kumamoto University and Faculty of Engineering, Kumamoto University in cooperation with Technical Section of Explosion and Impulsive Processing, Japan Explosives Society and Committee of the High-Energy-Rate Forming, The Japan Society for Technology of Plasticity.

The objective of this symposium was to disseminate the work on the current trends in Explosion, Shock Wave and Hypervelocity Phenomena in Materials and to establish a worldwide network. The symposium proceedings is based on the presentations, oral and poster, which cover topics, such as shock wave, detonation and combustion, materials processing, numerical simulation and high strain rate phenomena. As the researchers engaged in this research are limited, we would like to emphasize collaborations on a global scale to promote this phenomenal and exciting field of research. We thank the participants, authors of papers, and reviewers. Their collective effort resulted in an impressive volume, which, we are sure, would contribute significantly to the advancement of this field.

Shigeru Itoh, Chairman

Kazuyuki Hokamoto, Secretary

