Preface

Two years have passed since the previous VIII International EPMN Symposium was held in Moscow, Russia. The volume and scope of the materials submitted to the IX EPMN Symposium in Lisse, the Netherlands, convincingly prove that the research and development (R & D) work on application of explosion energy to materials synthesis and processing is on the up and up. In the classical area of explosive welding, new approaches to mathematical modeling of the process of wavy structure formation have been suggested based on modern methods of numerical mathematics. Increasingly growing is the interest in new high explosives as well as in new applications of explosive welding, including aerospace industry. Ever growing is the number of manufacturers employing explosive welding in different countries of Europe, Asia, and America. New compounds have been prepared by shock-assisted synthesis. Some of these materials seem promising for practical implementation in different areas of modern technology. Great promise has been shown by the data on shock-assisted synthesis and processing of nanomaterials.

A success of EPMN Symposia gives grounds for hope that this branch of modern R&D will be still further developing in the future.

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