

PREFACE

The II International Symposium Light Metals and Composite Materials was held in Belgrade from 19-20 May 2004. It was organized jointly by the Association of Metallurgical Engineers of SCG and Institute of Chemistry, Technology and Metallurgy – Department of Materials and Metallurgy Belgrade.

The aim of II International Symposium Light Metals and Composite Materials was to get together the eminent scientists and experts from Balkan and other countries in field of process industry, physical metallurgy, manufacturing and application of light metals and alloys. The Symposium program embraced the whole spectrum of composite materials from processing, phenomena, materials characterization to the application. The program included papers devoted to both fundamental and practical aspects of the following topics: Extraction, Refinement, Recycling, Casting and metal working, PM processing, Structure and phase transformations, Materials design and application, Rare and other metals, Nanocomposite materials, Microstructure and interface characterization, Phase interactions, Modeling and simulation.

The Symposium program included 50 papers with 5 foreign and 3 domestic participants as invited speakers.

Characteristic of this Symposium was taking part of researchers from scientific and research Institutes from Serbia and Montenegro, researchers from Faculties from four Universities from Serbia and Montenegro and numerous foreign researchers as authors and co-authors of presented papers. Foreign authors took part both as speakers and presenting of papers which are results of co-work with domestic scientific and research Institutes and Faculties.

In presented papers are mentioned 44 authors and co-authors from 11 countries: Albania, Bulgaria, Canada, Czech Republic, Germany, Hungary, Italy, Japan, Slovenia, UK and USA.

As an outcome of the Symposium, Proceedings that includes 50 papers in English was published.

Presidents of associations of metallurgists of Balkan countries: Albania, Bulgaria, Greece, Macedonia, Romania, Turkey and Serbia and Montenegro were participants of Symposium as well. At the same time, meeting of presidents of associations of metallurgists of Balkan countries was held in Belgrade.

We would like to point out that presented papers of domestic authors are results of work on over 15 projects from the field of Fundamental Research and Development which are financially supported by Ministry of Science and Environmental Protection of Republic of Serbia.

We would also like to thank to the Ministry of Science and Environmental Protection of Republic of Serbia for the financial support.

Organization of Symposium was supported by Aluminum Industry IMPOL SEVAL, Sevojno, SCG and we are very grateful to them.

General opinion of all participants is that the Symposium was very significant and useful manifestation. Presented results are outcome of R&D projects financed by Government and Industry as a potential or end user. Quality and relevance of the presented results was its main characteristic.

Participation of foreign authors both personal and as co-authors on papers with domestic authors was very significant for broadening of knowledge in the areas covered by the topics of the Symposium program.

The next generally accepted conclusion is that Symposium program should be basis for all future events because of its wide range of covered topics from process phenomena through methods of characterization, modeling and simulation, design to the final application which provided insight into current trends, results and experiences on the international level.

It is also concluded that participation of foreign authors and scientific institutions should be provided in future through mutual research and development programs.

Thirteen presented papers are selected for publication in the special issue of journal "Metalurgija" dedicated to II International Symposium Light Metals and Composite Materials. Selected papers cover wide spectrum of topics included in the program of the Symposium.

Guest Editor

Dr Nadežda M. Talić

*Chairman of Scientific and Program Committee
of the II International Symposium Light Metals
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