
Editorial

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Biographical notes: Leszek A. Dobrzański Director of the Institute of Engineering Materials and Biomaterials of the Silesian University of Technology Gliwice, Poland, President of World Academy of Materials and Manufacturing Engineering, Foreign Fellow of Ukrainian and Slovak Academies of Engineering Sciences, an Editor-in-Chief of three worldwide journals, Visiting Professor, Invited Speaker, Chairman and Member of the Programme Committees of the serial Scientific Conferences in numerous world countries. He is the author or co-author of ca. 1000 publications, ca. 40 patents, ca. 40 scientific books. He is a Laureate of numerous scientific distinctions, including the William Johnson and Albert Schweitzer Gold Medals. His interests include broad range of materials science and materials engineering, machine design and operating, manufacturing engineering, surface engineering and engineering education.

Writing the given Editorial, I am already handling the first volume of the *International Journal of Computational Materials Science and Surface Engineering (IJCMSSE)*, beautifully published by Inderscience Publishers. Both authors and the initiators of that undertaking are surely delighted. On this occasion it is worth telling a few words about two scientific institutions already known to the world which have taken the initiative of the publication of that international journal and the scientific patronage under that undertaking, that is the World Academy of Materials and Manufacturing Engineering (WAMME) and the Association of Computational Materials Science and Surface Engineering (ACMSSE).

The WAMME was founded at the Founding Meeting on 7 December 2005 in Zakopane, Poland and registered in the Court in March 2006. It is an association of an international character, and the residence of the Presidium and the Steering Committee is Gliwice, Poland. The aim of WAMME is to propagate and support the development of materials engineering and science including the following materials: metallic, ceramic, polymeric, composite, nanostructural, biomedical and intelligent; manufacturing engineering of materials and products as well as surface engineering, and also computer aiding of research in those fields, computational materials science and engineering design: constructional, material and technological; computer-aided manufacturing as well as the cooperation in propagating and dissemination of knowledge in those fields and also the promotion of the persons and the institutions with outstanding scientific, organisational and technical achievements in those fields. The WAMME achieves its goals through scientific, educational and training activities. It organises scientific

congresses, conferences, symposia, seminars, conventions, meetings, lectures, courses as well as scientific and technical competitions, publishing activity including the participation in issuing and the edition of the international journals and other magazines, expressing opinions concerning educational, research and application programmes of the scientific achievements and the working conditions of the research staff and the possibilities of the application of these achievements, specialist computer software and new technologies in industrial units, and also the conditions of working of the engineer-technical staff, the cooperation with other international organisations and institutions with similar acting goals, the cooperation with scientific and educational units, business activity, the realisation of research and didactic projects and the participation in international projects. In the makeup of the Presidium of the WAMME, the following persons are included: President Prof. Leszek Adam Dobrzański, Vice-President Prof. Jerzy Nowacki, Secretary General Prof. Jan Sieniawski, Treasurer Prof. Jan Szajnar, Deputy Secretary General Prof. Gabriel Wróbel. The Steering Committee is an advisory unit and in the makeup of the Presidium of WAMME, there are: Deputy Presidents: Prof. Maria Helena Robert, Brasil and Prof. Mark James Jackson, Indiana, USA, Members of the Steering Committee: Prof. Toshio Haga, Japan, Prof. Mario Rosso, Italy, Prof. Božo Smoljan, Croatia, Prof. Janez Kopac, Slovenia, Prof. Kanaka Durga Vara Prasad Yarlagadda, Australia and Deputy Members of the Steering Committee: Prof. Jose Manuel Torralba, Spain, Prof. Jerry Sokolowski, Canada, Prof. Yong-Taek Im, South Korea, Prof. Abdalla Wifi, Egypt and Prof. Fusheng Pan, China.

The ACMSSSE was founded on the Founding Meeting on 7 July 2005 in Gliwice, Poland and was registered in the Court on 1 September 2005. The aim of the ACMSSSE is to propagate and support the development of materials engineering and science including the following materials: metallic, ceramic, polymeric, composite, nanostructural, biomedical and intelligent; manufacturing engineering of materials and products as well as surface engineering, and also computer aiding of research in those fields, computational materials science and engineering design: constructional, material and technological; computer-aided manufacturing as well as the cooperation in propagating and dissemination of knowledge in those fields and also the promotion of the persons and the institutions with outstanding scientific, organisational and technical achievements in those fields. The ACMSSSE has a seat also in Gliwice, Poland. The aims of that association are close to the aims of the WAMME, and the field of its activities is also Poland, although it carries out very intensive international activities. It is also the main publisher of two international journals, and that is the *Journal of Achievements in Materials and Manufacturing Engineering* and *Archives of Materials Science and Engineering*.

Both mentioned scientific Institutions agreed with Inderscience Publishers – the Publisher of the *IJCMSSE* taking advantage of kindness and approval of Dr. Mohammed Dorgham in connection with the publication of that international journal and the participation in the Editorial Boards in ca. 10 other Journals of that publisher. We are deeply convinced that the cooperation is being already served to the significant group of authors in the range of the influence of the WAMME and the ACMSSSE who are participating in the scientific events initiated by those Institutions and a broad team of the readers. Remaining grateful to the Publisher for the creation of such a chance, I hand over the volume 4 of the *IJCMSSE* to the readers, beginning in that way the

second half of the year of its publication. I do hope that this volume will be interesting for readers. I thank authors, reviewers and members of the editorial team for the efforts put into the preparation of the papers. I kindly invite readers for the publication of their own works concerning computational materials science and computational surface engineering.