

Preface

The Brazilian Conference on Materials Science and Engineering (CBECIMAT) is the most traditional meeting of the Materials Science and Engineering community in the country occurring since 1974. The Materials Societies that support this event are the Brazilian Ceramic Society (ABCeram), Brazilian Society of Metallurgy, Materials and Mining (ABM), and Brazilian Polymers Society (ABPol).

For 2014, as an initiative to hold the event outside the most traditional regions with research activities in materials science, the event was held in Cuiaba (MT), organized by a group of researchers of the Universidade Estadual Paulista (UNESP), from November 9th to 13th. This was the 21th Edition of the event.

The event was attended by 1025 participants, who come from 22 Brazilian states and also from other countries such as United States, Canada, Spain, England, Portugal, Chile, Uruguay, Argentina and Paraguay. In total, 1395 abstracts were submitted to be presented as posters and 95 as oral and keynotes talks, from renowned national and international experts, resulting in approximately 1500 technical and scientific presentations. The topics discussed during the congress included synthesis, processing and properties of traditional materials, as well as the development of new nanostructured materials, biomaterials, nanomedicine, interfaces and graphene. A lecture on the graduate courses in materials science and engineering in Brazil and a round table to discuss the prospects for the teaching of materials engineering were also realized. Four short courses on materials characterization techniques were offered. Finally, a meeting of the Materials Science and Engineering Nucleus (NUDCIMAT) from the Universities of the Montevideo Group Association (AUGM) was held during the conference.

The papers selected cover a wide range of topics in materials structure, processing, characterization and application.

On behalf of the Organizing Committee, we would like to express our sincerest gratitude to all participants in the event, the scientific committee and to the support staff for their collaboration before, along and after this very successful conference.

Carlos Roberto Grandini
21th. CBECIMAT Chairman

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