

Preface

The Brazilian Ceramic Conference in its 60th edition (CBC 60) took place at the Majestic Hotel, São Paulo - SP, Brazil, from May 15 to the 18, 2016, with the participation of researchers, scholars and professionals from Spain, United States, Slovenia, Italy, Portugal and Brazil.

CBC has been an itinerant conference since 1954, being held in several locations in Brazil. In 2016, the city of São Paulo hosted the event. To host event the hydro mineral resort Águas de Lindóia was chosen. This city is located in the State of São Paulo, about 168 Km from the state's capital and at the border of Minas Gerais state with the city of Monte Sião. This city is situated in a region where the ceramic sector is very well developed and with a large number of companies from the different segments (red ceramics, sanitary ware, refractories, ceramic coatings, electric insulators and ceramics for domestic use). There are also innumerable suppliers of raw-materials and equipment. This city also counts on Academic and Research Institutions, service providers and Laboratories in partnership with Local Entities and SENAI.

This Conference represents the most traditional event of the ceramic community in Brazil and aims to promote the interactions of various sectors involved in the ceramic field, including industries, technical schools, universities, research institutes, raw materials and equipment suppliers. Therefore, it has a broad character, which compromises not only ceramic materials, but also correlated subjects such as energy, environment, mineral resources, technology, quality control, process control and human resources.

During the Conference the participants had a wide range of events in several sessions of technical papers (oral and posters presentations) plenary and keynote lectures, panels, short courses, workshops and exhibitions. This edition gathered 325 participants, which presented a total of 593 talks and posters.

The opening plenary session was held by Dr. Paschoal Giardullo, Geologist from the Faculty of Philosophy, Sciences and Letters of USP. Member of the Brazilian Ceramic Association since 1967 currently Conselheiro Emeritus.

From the papers presented at the Conference, 51 of them were selected for publication at Material Science Forum after a reviewing process. They cover a wide range of topics regarding structure, processing, characterization and applications of ceramic materials.

The Editor acknowledges the contributions of the authors, and the voluntary collaboration of the Scientific Advisory Committee members and expert referees. Finally, I would like to thank all the staff, participants and sponsors for their support.

Sebastião Ribeiro

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