

## Preface

The Brazilian Ceramic Congress is the most important event on ceramics in Brazil. The main goal is to promote interaction among people acting in the several segments of the ceramic materials area, therefore contributing to the development of the Brazilian ceramic. The 61<sup>st</sup> Brazilian Ceramic Congress was held from June 4th to 7th 2017 at the Congress Center of the Federal University of Rio Grande do Sul in Gramado, a charming city in the region of Serra Gaucha, south of Brazil. The Congress was chaired by Dr. Eliana N. S. Muccillo with the collaboration of members of the Brazilian Ceramic Association. The technical committee was composed of researchers belonging to the traditional as well as advanced ceramics areas. Metallum, a Brazilian events company was responsible for the organization.

Beside the opening speech, four plenary talks and three panels (Advanced manufacture: industry 4.0, Evolution of the glass industry and products, publishing in the ceramics area) were part of the program. Besides the attendance of researchers, university teachers and students from all over the country, foreign researchers came from Portugal, USA, Spain and Argentina. The total number of oral communications and poster presentations were 55 and 399, respectively. Extra activities included a two-days seminar on "The science of the super heroes and their amazing materials", with the attractions for the engineering students: Engineering Captain America and Iron Man and Incredible Hulk and other Radiation Marvels.

Twenty-four submitted manuscripts were sketched to be part of this publication, including synthesis, processing and characterization of ceramic, ceramic-based materials and composites, biomaterials and technologies of building materials production and waste processing in construction. As chair of the event and editor of this issue of Materials Science Forum, I am grateful to all attendees, committee members, sponsors, exhibitors, and specially to the authors of the manuscripts, for making the event a success.

Eliana N. S. Muccillo  
Guest Editor

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