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Preface

## Cermodel 2013: Modelling and Simulation Meet Innovation in Ceramics Technology, July 10–12, 2013, Trento, Italy

This special issue contains selected articles related to the presentations given at the congress 'Cermodel 2013: Modelling and Simulation Meet Innovation in Ceramics Technology' held in Trento, Italy, July 10–12, 2013. The scope of the congress was modelling of ceramic materials, in the mechanical, mathematical, constitutive, experimental, and numerical expressions.

To maintain industrial leadership, advanced and traditional ceramics are facing nowadays demands for higher performances, to be obtained under the constraint of environmental sustainability and greenhouse gas emission reduction. This is a challenge that can properly be addressed only through mechanical modelling, representing a crucial step in the design of improved and innovative ceramic products.

The special issue manuscripts were limited to original work and were reviewed following the standard procedures of the Journal of the European Ceramic Society, with the aim of bringing together papers providing the most recent developments in a field of great industrial interest.

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University of Trento (Italy), to the CNR-ISTEC Istituto di Scienza e Tecnologia dei Materiali Ceramici (Faenza, Italy), to the Italian Ceramic Society, to Sacmi, and to Enginsoft that contributed greatly to the success of the Conference and to the Provincia di Trento that welcomed the event and the participants.

*Guest Editor*

Alida Bellosi

*CNR-ISTEC, Faenza, Italy*

*Guest Editor*

Davide Bigoni\*

*University of Trento, Italy*

*Guest Editor*

Paolo Zannini

*Italian Ceramic Society and University of Modena and Reggio Emilia, Italy*

\* Corresponding author.

*E-mail address:* [bigoni@ing.unitn.it](mailto:bigoni@ing.unitn.it)

(D. Bigoni)

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