

Provided for non-commercial research and education use.
Not for reproduction, distribution or commercial use.



This article appeared in a journal published by Elsevier. The attached copy is furnished to the author for internal non-commercial research and education use, including for instruction at the authors institution and sharing with colleagues.

Other uses, including reproduction and distribution, or selling or licensing copies, or posting to personal, institutional or third party websites are prohibited.

In most cases authors are permitted to post their version of the article (e.g. in Word or Tex form) to their personal website or institutional repository. Authors requiring further information regarding Elsevier's archiving and manuscript policies are encouraged to visit:

<http://www.elsevier.com/authorsrights>

Available online at www.sciencedirect.com**ScienceDirect**

Journal of the European Ceramic Society 34 (2014) 2603

www.elsevier.com/locate/jeurceramsoc

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.

The Organizing Committee is grateful to the financial support from the EU (PIAPGA-2011-286110-INTERCER2), to the

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

(D. Bigoni)

Available online 1 March 2014