

## Preface

It is our great pleasure to present this special issue of Applied Mechanics and Materials for the 3rd Edition of the Brazilian Congress on CO<sub>2</sub> (3BCCO<sub>2</sub>), promoted and supported by IBP, the Brazilian Petroleum, Gas and Biofuels Institute. The event, which brings together the academic community and the industry of petroleum, gas and biofuels, took place in Rio de Janeiro, April 2015 and brought the main debate towards the “Challenges & Strategies of CO<sub>2</sub> in the Brazilian and global scenarios.” The 3BCCO<sub>2</sub> is a biennial event with attendance by over 300 professionals, thus promoting the discussion on CO<sub>2</sub> in Brazil in its multiple applications in the fields of capture, transportation, use, storage and risk management.

The collaboration of the local Organizing Committee is gratefully acknowledged: Aline Voigt (Petrobras), Ana Guedes (IBP), Eduardo Hippert (Petrobras), Edson Montez (ANP), Ivani Bott (PUC-Rio, Vice Coordinator), Jonathan Royer-Adnot (Géostock – Geogreen), Jussara L. Miranda (UFRJ, Vice Coordinator), Luciene Carvalho (UFRN), Luíza C. de Moura (UFRJ), Melissa Fernandez (IBP), Ofélia Q. F. Araújo (UFRJ), Paulo Henrique Lima Van Der Ven (Statoil), Raimar van den Bylaardt (IBP, Coordinator), Rubin Diehl (Petrobras) and Wilson M. Grava (Petrobras), and the peer-reviewers, whose efforts made this publication possible. Financial support of CAPES is also deeply acknowledged.

Finally, we thank all the authors for their high quality manuscripts and for submitting them on time. We believe the contents of this volume will serve as valuable reference to the scientific community and practitioners in aspects related to CO<sub>2</sub>.

Ivani Bott, Jussara Miranda and Ofelia Araújo, Editors  
December 14, 2015.  
Rio de Janeiro, Brazil

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