

## PREFACE

This issue of the Brazilian Journal of Chemical Engineering present selected papers from the VII Brazilian Congress of Applied Thermodynamics (CBTermo).

CBTermo is a scientific meeting organized biennially by researchers on the area of Chemical Engineering Thermodynamics. It aims at bringing together academic researchers and engineers working in industry. CBTermo welcomes contributions on experimental and theoretical Thermodynamics, including - but not being restricted to - fluid properties, phase equilibrium, molecular simulation, quantum chemistry, colloids and interfaces, calorimetry, and educational aspects of Thermodynamics.

The VII CBTermo was organized in 2013 at the Federal University of Uberlândia (UFU). The Organizing Committee of the VII CBTermo was presided by Dr. Lucienne Lobato Romanielo as chair and Dr. Erika Ohta Watanabe as vice-chair, both from UFU. The Scientific Committee was presided by Dr. Martín Aznar, from the University of Campinas.

Professionals of all Brazilian states and from eight different foreign institutions participated on the VII CBTermo. Summing up, 20 plenary oral presentations were delivered and 115 posters were presented. From all those 135 contributions, 21 contributions were selected by the scientific committee, and seven papers were eventually accepted after undergoing peer-review as all papers submitted to the Brazilian Journal of Chemical Engineering.

While presenting this issue should be an occasion for happiness of the thermodynamic community in Brazil, it turned out to be an occasion for grief instead. After a difficult fight with a cancer, Dr. Martín Aznar passed away in January 2015, when this issue was about to be completed. Martín, as his friends used to know him, was not only an outstanding researcher in Thermodynamics, but also a noble person, in the truest sense of the word. Since the latest CBTermo issue of the Brazilian Journal of Chemical Engineering (volume 30, issue 1), he was member of the Editorial Board of BJChE, and worked diligently for this special issue while possible. He is missed now by his wife and daughter and by all his friends and colleagues in Brazil and abroad.

### **Dr. Martín Aznar (*in memoriam*)**

Chair of the Scientific Committee – VII CBTermo  
Guest Editor

### **Dr. Lucienne Lobato Romanielo**

Chair of the Organizing Committee – VII CBTermo  
Guest Editor

### **Dr. Pedro de Alcântara Pessoa Filho**

Section Editor (Thermodynamics) of the Braz. J. Chem. Eng.