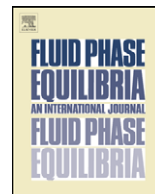




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Editorial

The Industrial Fluid Property Simulation Challenge is the most visible activity of the IFPSC (Industrial Fluid Properties Simulation Collective, <http://ifpsc.org>). The purpose of these periodic challenges, as well as that of the IFPSC, is to assess the ability, and promote the use of, molecular modeling and simulation methods for quantitatively predicting fluid properties in industrial settings. The challenge problems are intended to provide documented and explained examples representing current simulation capabilities in the realm of fluid property prediction, and also important directions for future development in the field.

This special issue features the 4th Challenge. The previous three Challenges are featured in earlier issues of *Fluid Phase Equilibria* [1–3]. The Challenges are sponsored by the Computational Molecular Science and Engineering (CoMSEF) forum of the AIChE and by the Physical Chemistry Division of the ACS. The Organizing Committee of the Challenges thanks these groups for sponsorship and the Editorial Board of this journal for approval of these special issues. Of course, the success of the Challenges is due to the participants who accept the challenge. Special thanks go to them.

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Raymond D. Mountain*,¹

*Physical and Chemical Properties Division, 838.06,
National Institute of Standards and Technology, B214,
Physics Building, Mail Stop 8380, 100 Bureau Drive,
Gaithersburg, MD 20899-8380, United States*

* Tel.: +1 301 975 2484; fax: +1 301 869 4020.

E-mail address: rmountain@nist.gov

¹ For IFPSC Organizing Committee.

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