Short communication

Preface to special issue of selected papers from CFD in the minerals and process industries

It is with great pleasure that we introduce this special issue of Applied Mathematical Modelling containing 13 papers selected from the 157 presented at the Seventh International Conference on Computational Fluid Dynamics in the Minerals and Process Industries. The conference was held in Melbourne, Australia from 9 to 11 December 2009 and is the seventh in this series attracting a broad range of international and local leaders in various fields.

Unlike many other areas of fluid dynamics, applications in the minerals and process industries typically involve more than one phase and frequently require coupling of multiple physical phenomena. To capture the breadth of applications and significant developments in modelling capability key papers from the conference have been selected for publication in three special issues.

Papers selected for this issue of AMM are those that represent novel and leading work in the development of new techniques and approaches for applying CFD to the minerals and process industries. Other papers from the conference dealing specifically with multiphase flows are published in J. Computational Multiphase Flows and those papers related to providing insight to industrial applications are published in Progress in Computational Fluid Dynamics.

All papers in this special issue were subject to the standard peer-reviewing process. We wish to thank the authors who have reworked their original conference papers into full journal articles and the reviewers who have contributed their time and efforts to improving the quality of the publication.

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