Preface

Special issue: Selected contributions from the 12th European Conference on the Mathematics of Oil Recovery (ECMOR XII)

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The 12th European Conference on the Mathematics of Oil Recovery (ECMOR XII) was held at Keble College in Oxford (UK) from 6 to 9 September 2010. ECMOR has been a bi-annual event since 1988 focusing on the mathematical aspects of geo-modelling and reservoir simulation. Initially organized independently, ECMOR has been part of the regular conference program of the European Association of Geoscientists and Engineers (EAGE) since 1998. In Oxford, a total of 88 oral presentations and 35 posters covered a wide range of topics. The full list of papers presented at the conference can be found on the EAGE website [1], and all papers are electronically accessible via the EarthDoc online data base [2]. In this issue of Computational Geosciences a selection of papers is reproduced, most of them expanded, and all of them peer reviewed through the usual process. I like to thank the anonymous reviewers, the EAGE conference organisers Sandra Hermus and Marjolein Verweij, and my co-members of the ECMOR program committee:

Ivar Aavatsmark (University of Bergen)
Alberto Cominelli (Eni SpA)
Louis Durlafsky (Stanford University)
Christopher Farmer (chairman)
(Schlumberger and University of Oxford)
Dominique Guérillot (Terra 3E SAS)
Dayal Gunasekera (Schlumberger)

Andreas Harrer (Heinemann Oil GmbH)
Rainer Helmig (University of Stuttgart)
Stefano Mantica (ENI Exploration and Production)
Roland Masson (University of Nice Sophia Antipolis)
Gillian Pickup (Heriot-Watt University)
Jean-Jacques Royer (ENSG-CRPG)
Pierre Samier (Total)
Arne Skorstad (Roxar)
John Williams (BP)
Iskander Zakirov (Lukoil)

A special word of thanks goes to Christopher Farmer, who has been a passionate ECMOR committee member since the very beginning, initially affiliated to the Atomic Energy Agency, thereafter Schlumberger and most recently to the Oxford Centre for Collaborative Applied Mathematics (OCCAM) at Oxford University. Chris skilfully chaired the ECMOR XII meeting and arranged a high quality program in a very inspiring environment. After 12 conferences (13 in his own counting, starting from the ‘pre-ECMOR’ in Cambridge, 1987 [3, 4]), Chris decided to step down to redirect his research efforts to a broader range of topics. On behalf of the entire committee I like to thank him for his many contributions and wish him luck in his continued mathematical career.

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