Editorial

Mary F. Wheeler · Clint Dawson · Jan-Dirk Jansen

Over the past years Computational Geosciences has experienced a steady growth, both in terms of manuscripts offered for publication, and in terms of impact factor (currently 1.3). A review of the papers published during the past several years revealed that the majority is concerned with subsurface flow. In line with this trend we have decided to focus the scope of Computational Gesociences on advanced numerical methods for the simulation of subsurface flow and transport, and associated aspects such as discretization, gridding, upscaling, optimization, data assimilation, uncertainty assessment, and high-performance parallel and grid computing.

In line with this increased focus we are happy to announce that Prof. Dean Oliver will strengthen our Editorial Board, starting January 2011. Since August 2010, Dean has been a researcher in the Centre for Integrated Petroleum Research at the University of Bergen, Norway. He was previously a professor in the Mewbourne School of Petroleum and Geological Engineering at the University of Oklahoma where he was the director from 2002 to 2006. Before joining the University of Oklahoma, he was a professor in the Petroleum Engineering department at the University of Tulsa for 6 years, and for 17 years he worked for Chevron, initially as a research geophysicist, but later as a reservoir engineer, and finally as a staff scientist. He primarily works on history matching and inverse problems, including uncertainty assessment. Most of his work is now focused on the use of the ensemble Kalman filter for history matching. He has written a book (Inverse Theory for Petroleum Reservoir Characterization and History Matching) with Al Reynolds and Ning Liu. He was the Executive Editor of SPE Journal for the period 2005–2009. He has a BS in physics from Harvey Mudd College and a PhD in geophysics from the University of Washington.

The increased focus of Computational Geosciences on subsurface flow is also reflected in our new logo, which is displayed on the cover as of the current issue. It consists of artist impressions of permeabilities, pressures, saturations and streamlines resulting from 'waterflooding' our old black and white logo. Moreover, we are currently preparing two subsurface flow related Special Issues: one on ensemble Kalman filtering and one with selected papers from the twelfth European Conference on Mathematics in Oil Recovery (ECMOR XII) held in Oxford, UK, in September 2010.

We hope that this increased focus will benefit our readers and are looking forward to a further growth of the Journal over the years to come.

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