# Editorial

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EDITORIAL NOTES

# Editorial

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The 15th European Conference on the Mathematics of Oil Recovery (ECMOR XV), which was held in September 2016 in Amsterdam, The Netherlands, was very successful. At the conference, organised by the European Association of Geoscientists and Engineers (EAGE), a total of 88 oral presentations and more than 100 poster presentations were made, each of them accompanied by a conference paper. These covered a wide variety of topics related to the mathematical modelling of geological structures and multi-phase flow and mechanics in subsurface reservoirs. Copies of all conference papers are available electronically via the EAGE EarthDoc conference paper repository; see http://earthdoc.eage.org.

All ECMOR XV authors were given the opportunity to submit a journal version of their conference paper for possible publication in a Special Issue of Computational Geosciences. An exception was authors affiliated to one of the host institutions of the guest editors for the Special Issue, i.e. Delft University of Technology (TU Delft) and TNO. The potential authors were requested to be self critical, as a good conference paper is not necessarily also a good journal paper. The submissions were peer reviewed by at least two reviewers, as per standard review procedure of Computational Geosciences, whereafter 37 papers (out of 51 submitted manuscripts) were accepted for inclusion in a two-volume Special Issue.

We more or less grouped the papers according to the following categories, although some papers arguably could have been classified in one or even two other categories.

- Basin modelling
- Pore network modelling
- Gridding, discretisation and multi-scale methods
- Solvers
- (Near-) Well modelling
- Fractured reservoirs
- Geomechanics
- Compositional simulation
- Polymer flooding
- Other complex physics
- Assisted history matching
- Well location and production optimisation
- Uncertainty quantification

We believe that the collective papers form an excellent illustration of the breadth and depth of the ECMOR XV contributions, and as such of the state of the art in numerical reservoir simulation, and trust that they will be of interest to many readers of Computational Geosciences.

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