Editorial

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Biographical notes: Ladjel Bellatreche is a Full Professor at the ISAE-ENSMA Engineer School, Poitiers, France, where he joined as a faculty member since September 2010. He leads the Data and Model Engineering Team of the LIAS Laboratory. His research interest focuses on data and model management. He has co-authored more than 210 papers and received > 2,257 citations (h-index = 24). He has organised/co-organised numerous international and French conferences and workshops. He has acted as an evaluator for funding agencies in Algeria, France, EU and Czech Republic. He actively contributes in promoting research in Africa and Asia, where he co-supervised several students.

Yannis Manolopoulos is a Professor and the Head of the Data Science and Engineering Lab, Department of Informatics, Aristotle University of Thessaloniki. He has authored five monographs published by Springer, eight textbooks in Greek, as well as > 330 journal and conference papers related to data management. He has received > 11,000 citations (h-index = 50) and four best paper awards from SIGMOD, ECML/PKDD, MEDES and ISSPIT conferences. He has served as main co-organiser of several conferences. Currently, he serves in the editorial boards of (among others) *VLDB Journal*, *World Wide Web Journal*, and *Computer Journal*.

This special issue contains 11 papers around the topical theme of model and data engineering. The CFP for this special issue was announced after the 5th International Conference on Model & Data Engineering (MEDI), which took place during 26–28 of September 2015 at Rhodes Island, Greece. The main objective of the conference is to provide a forum for the dissemination of research accomplishments and to promote the interaction and collaboration between the models and data research communities. This international scientific event, initiated by researchers from Euro-Mediterranean countries, aims also at promoting the creation of north-south scientific networks, projects and

faculty/student exchanges. We mention that the conferences of this series have taken place at Obidos (2011), Poitiers (2012), Calabria (2013), Larnaca (2014), and Almeria (2016), whereas it will take place at Barcelona in October 2017.

Twenty-nine papers were submitted to this special issue, which have been examined by at least two reviewers for suitability to the special issue and quality along the standards of the hosting journal. As mentioned, 11 papers were finally accepted after a thorough examination and revision. The countries of origin of the authors are: Algeria, Estonia, France, Greece, Italy and the UK, a fact that shows the acceptance of the CFP by the international community. The spectrum of topics is quite large. It ranges from data models and meta-models, to description logics, logic programming, ontologies, open data modelling, reasoning, requirements to intelligent systems, NoSQL databases, and modern applications like cultural heritage, e-government, health tele-monitoring, mobile applications and tweet processing.

These 11 papers were put through the standard review process as specified by the reviewing journal. These papers are uniformly distributed in the major topics of our conference model and data management. As a consequence, our special issue is divided into two volumes: a volume dedicated to papers covering aspects related to data management and another one for papers covering aspects related to model management. This volume concerns model management.

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