# Preface

This volume contains workshop papers, long versions of several challenges papers, and one invited paper from the 14th East-European Conference on Advances in Databases and Information Systems (ADBIS 2010), held during September 20–24, 2010, in Novi Sad, Serbia.

ADBIS 2010 continues the ADBIS series held in St. Petersburg (1997), Poznan (1998), Maribor (1999), Prague (2000), Vilnius (2001), Bratislava (2002), Dresden (2003), Budapest (2004), Tallinn (2005), Thessaloniki (2006), Varna (2007), Pori (2008), and Riga (2009).

The main objective of the ADBIS series of conferences is to provide a forum for the dissemination of research accomplishments and promote interaction and collaboration between the database and information systems research communities from Central and East European countries and the rest of the world. ADBIS conferences provide an international platform for the presentation of research on database theory, development of advanced DBMS technologies, and their advanced applications.

ADBIS 2010 spans a wide area of interests, covering all major aspects related to theory and applications of database technology and information systems. Two different submission lines have been considered for ADBIS 2010, one within the classical way and another one within a special track organization. ADBIS attracted 5 tracks:

1. Conceptual Modeling in Systems Engineering (CMSE);
2. Data Mining and Information Extraction (DMIE);
3. Business Processes in E-Commerce Systems (e-commerce);
4. Personal Identifiable Information: Privacy, Ethics, and Security (PIIPES);
5. Warehousing and OLAPing Complex, Spatial and Spatio-Temporal Data (WOCD).

In total, the conference attracted 165 paper submissions from Algeria, Armenia, Australia, Austria, Bosnia and Herzegovina, Brazil, Bulgaria, Canada, Chile, China, Czech Republic, Estonia, France, Germany, Greece, Hungary, India, Ireland, Italy, Jordan, Lithuania, FYR Macedonia, Malaysia, New Zealand, Nigeria, Poland, Portugal, Republic of Korea, Romania, Russia, Serbia, Slovakia, Spain, Sweden, Tunisia, Turkey, Ukraine, and United States of America. In a rigorous reviewing process, 36 papers have been selected as long contributions for inclusion into the main conference proceedings published by Springer in the Lecture Notes in Computer Science series (vol. 6295), and oral presentation at the conference. Moreover, 14 papers were selected as short contributions (challenges papers), to be presented by posters. All papers have been evaluated by at least three reviewers. The selected papers span a wide spectrum of topics in the database and information systems field, including database theory, database management system architectures, design methods, data mining and data warehousing, spatial, temporal, and moving objects, database applications.

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