Editorial

This volume of the journal "Research in Computing Science" contains selected papers on the research areas related to artificial intelligence and its applications to a variety of tasks.

The papers were carefully chosen by the editorial board on the basis of the at least two reviews by the members of the reviewing committee or additional reviewers. The reviewers took into account the originality, scientific contribution to the field, soundness and technical quality of the papers. It is worth noting that various papers for this special issue were rejected.

The papers of this volume are related to several areas of application of artificial intelligence. First of all, there are tasks related to optimization: scheduling of the detection-and-rescue operations, task planning for a multicomputer system, bi-objective purchasing, and pickup and delivery problem. Other papers are related to application of neural networks (to broiler's growth and particle tracking velocimetry analysis), fuzzy systems (to grade assignment and digital signal distribution) and cellular automata (to compression problem). Finally, electronic component of an intelligent hospital bed is described.

I would like to thank Mexican Society for Artificial Intelligence (Sociedad Mexicana de Inteligencia Artificial) and MICAI 2015. Also, I am grateful to Polytechnic University of Morelos (Upemor), Tecnologico de Monterrey Campus Cuernavaca, Electrical Research Institute (IIE) and the National Center for Research and Technology Development (CENIDET) for their support during preparation of this volume.

The entire submission, reviewing, and selection process, as well as preparation of the proceedings, were supported for free by the EasyChair system (www.easychair.org).

Obdulia Pichardo Lagunas
October 2015