Editorial

The present volume of the journal "Research in Computing Science" contains articles from different fields of research such as: bioinspired algorithms, machine learning, and image processing among others. The papers chosen by the editorial board were subjected to rigorous evaluation by specialist in the area (peer review), taking into consideration the originality, scientific contribution to the field and technical quality.

Each of the works addressed in this issue seeks to solve problems in different fields by providing solutions from the computational point of view.

It is important to recognize the importance of the application of scientific development in the treatment of problems of strong social impact. The papers selected for this volume contains different proposals of computational solutions for problems ranging "*Identification of fungi in corn using Artificial Vision techniques*" to "Oncological Analysis Using Data Mining".

On the other hand, the creation of new computer models or techniques to improve those that already exist is essential to continue the research that allows to innovate in various branches of the computing science, in this way many of the papers published in this volume contribute to analysis and improvement of algorithms like "*Capacitated P-Median and Tabu Search*" or "*Tuning the Parameters of a Convolutional Artificial Neural Network by Using Covering Arrays*".

Some of the selected papers implement bioinspired algorithms, the first of which implements an artificial neural network to identify fruit ripeness. Another paper uses a genetic algorithm in the optimization of deformation sequences in industrial welding structures. Others, for example, are looking for improvements in existing algorithms such as automatic tuning of parameters in neural networks. Also, another paper reports on the exploration of dynamic environments using stochastic search strategies such as optimal foraging theory.

In relation to automatic learning techniques some of the approaches used were the typical testors applied in the selection of subsets of characteristics, another one of the reported works implements data mining for oncological analysis of different types.

In the implementation of methodologies for the design and evaluation of industrial automation devices is developing a system of fuzzy logic to control the speed and torque servo system.

Another issue addressed in this volume is the design, creation and evaluation of vehicles of different characteristics: in the case of unmanned aerial vehicles, a multiagent system was used to allow collaboration between devices. Another case is the design and identification of hydrodynamic parameters.

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