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dyna@unalmed.edu.co

Universidad Nacional de Colombia
Colombia

Jiménez Builes, Jovani Alberto

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DYNA EDITORIAL

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PART I. ADVANCES IN SYSTEMS AND COMPUTING

Respected readers,

I have the pleasure to present the Volume 80 (180) - Advances in Systems and Computing as a special edition published in the DYNA Journal. In this Volume are published eleven articles which were reviewed by external peers with a worldwide renowned research background.

The first four articles present, in order of appearance, the combination of SARIMA models and neural networks as a common approximation to forecast nonlinear time series. Then in the next chapter it will be contextualized the architecture of a fauna and flora inventory with a mobile component in the gathering of field information. The third article developed a new scheme of four points for the interpolating subdivision of curves based on the first discrete derivative (DFDS). In the fourth, the authors proposed a method to assign percentages of importance to the objectives of the diagram KAOS, in the context of the UNC Method, taking into consideration the kind of verb and the hierarchical distribution that they possess.

Then, from fifth to eighth articles are presented a simulation based on system dynamics for evaluating the quality of transport service in a complex social system; the routes optimization problem in public transportation based on the operations research techniques; a description of the different models used to address the application of metacognition in

the Smart systems; and the evaluation of the behavior of some relevant demographic meta-heuristic, both in functions with optimal in the boundaries of the search space as in problems with optimal out of them.

The last three articles start by presenting a design and implementation of a wireless software-defined radio testbed. Then, it is presented a technological review of tools, which are part of the Intelligent Transport Systems (ITS), systems used for the improvement of the performance and security of the transport, not only for freight but also for passengers and in different modes. Finally, it is illustrated a tool for collaborative work.

As usual, we thank our authors and reviewers. Your valued work allows our readers to enjoy highly qualified articles. I also take this opportunity to invite researchers to keep submitting their articles of scientific and technological research, reflection on a problem, as well as short articles and case reports. All of these should be unpublished, innovative and framed under the subject covered by the journal and preferably in English.

Fraternal greetings,

Jovani Alberto Jiménez Builes
Guest Editor
August 2013