

Editorial

Dear readers, in front of you is the first issue of Volume 21 of *CIT. Journal of Computing and Information Technology*, which has been prepared under supervision of the new Editorial Board. After the handing over of the duty, the new members who have taken editorial position are (in alphabetic order) Maria Victoria Bueno Delgado, Eugenio Di Sciascio, Andreas Holzinger, Shifeng Liu, Zongmin Ma, Aniket Mahanti, Tanja Mitrovic, Richard Picking, Richard Torkar, Runtong Zhang and Hong Zhao, while Mincong Tang took the Assistant Editor position. I would like to point out that a number of them started the cooperation with *CIT* in 2012 already, thus enabling the improvement of its workflow.

In extending our thanks to the former editors, we welcome the new members of the Editorial Board. *CIT* will persevere in advancing its quality and extending its scope, and will consequently endeavor to invite to its Editorial Board experts recognized in innovative areas of computing. In order to bring the readership results from novel areas of research, in this Volume we plan to publish a number of Special Issues, which will be prepared in collaboration with our respected international partners.

This issue brings five regular papers, which address problems in computer networks, formal methods in system modeling, management of software projects, vehicle routing optimization as well as medical image processing.

The *Study of Fuzzy Logic-based Controller for Diff-Serv Bandwidth Broking* by Hadj Bourdoucen, Fatma Al-Azani and Ahmed Al-Naamany propose a novel approach for the Ethernet, where a Differentiated Service (Diff-Serv) is introduced making it an advanced network which combines both voice and data traffic, yet keeping it simple and scalable.

Generating Diagnoses for Probabilistic Model Checking Using Causality by Hichem Debbi and Mustapha Bourahla, addresses the extension of model checking for modeling and analyzing systems that exhibit stochastic behavior, by proposing an aided-diagnostic method for probabilistic trace generation based on the notion of causality and responsibility.

Izzat M. Alsmadi and Maryam S. Nuser study software cost estimation as the tool for preventing cost overrun of software projects. In their paper *Evaluation of Cost Estimation Metrics: Towards a Unified Terminology* they evaluate and compare different metrics and datasets in terms of similarities and differences of involved software attributes based on sixteen public cost estimation datasets.

A novel randomized heuristic for solving the capacitated vehicle routing problem is worked out by Abdesslem Layeb, Meryem Ammi and Salim Chikhi. In their paper titled *A GRASP Algorithm Based on New Randomized Heuristic for Vehicle Routing Problem*, the improvement they propose consists of a new constructive heuristic and a simulated annealing procedure.

In the last paper of this issue, titled *Digital Measurement of Myelofibrosis Associated Platelet Derived Growth Factor Receptor β (PDGFR β) Expression in Bone Marrow Biopsies*, Szilvia Szeghalmy, Judit Bedekovics, Gábor Méhes, and Attila Fazekas introduce a digital image processing method intended to measure paranchymal damage in digitalized histological slides, which can aid the correct interpretation of staining as the agent for the characterization of myelofibrosis.

Vlado Glavinić

Editor-in-Chief

