

Guest Editorial

I am honoured to act as guest editor of this issue of CIT containing selected papers from the 20th *Information Technology Interfaces, ITI'98* Conference. There have been altogether seven articles chosen, among the invited lectures and from the submitted papers that had received high grades from the referees. The selection was not purely automatic. In addition to the required paper quality it was also attempted to make the selection representative for the ITI conference.

The first paper about the Network-Based Education is by the ITI invited speaker, Mladen A. Vouk. It reflects some of the main interests expressed at the conference: Web applications and education. Web is omnipresent and education interests most of the ITI participants coming from academia.

Following the above is a highly readable invited paper by Eli Cohen. It discusses scientific and professional field of Information Systems and related educational practices, and proposes a new discipline called Informing Science.

The next article is a description of a programming tool for translation of natural languages. It was also estimated as interesting for broader audience. The question of automatic translation is always attractive, especially for small nations always facing high fixed costs of translation. The tool supports modern technologies and working practices, such as workgroups on Internet or intranet. The paper is written by Gábor Prószéky.

As a representative of the articles dealing with optimisation, the paper by Domagoj Jakobović and Marin Golub was chosen. It proposes an Adaptive Genetic Algorithm. Genetic algorithms have become increasingly popular but proper choice of optimisation parameters still heavily affects its applicability. An endeavour in direction of solving this problem by adaptive techniques is surely welcome.

The article by Goranka Nogo and Robert Manger is an interesting example of a parallel algorithm and its implementation. It is followed by a discussion of the encouraging results achieved. The problem to be solved is also relevant; it is the Maximum Flow Problem.

Last but not least, are the two papers concerning computer graphics and imaging. One is by Željka Mihajlović and Alan Goluban, about the B-Spline Interpolation. The other one is by Željko Devčić and Sven Lončarić and deals with Non-linear Image Noise Filtering.

Hereby I apologise to all other authors of valuable and interesting papers who are not in this selection. On the other hand, my aim is to intrigue the CIT readers to participate actively in the next ITI conference, to meet the colleagues and enjoy the opportunities that, regardless of the modern technology, can be offered by personal contact only.

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