

## EDITORIAL

This is the second issue of the International Journal on Computers, Systems, and Signals (<http://research.i2r.a-star.edu.sg/iaamsad/ijcss/>) for 2003, bringing back the publication of the journal on track. A new issue, the first for 2004 is in its final stages of preparation and will soon be published as well.

This issue reflects more the technical aspects of building systems and control engineering. The first paper, titled An Operational Approach To Program Design is by P. Rocchi and A. Haag from IBM Italy. It raises a new approach to program design that emphasis on the declaratives when coding a program. They introduce a technique called Field Diagram that according to them has a potential to ease software maintenance problems.

The second paper deals with one of the techniques that has been in the focus of attention for the last 15-20 years, Genetic Algorithms, however this time applied to cryptography. It was submitted by Nadia Nedjah and Luiza De Macedo Mourelle and is titled AST Pre-Processing For The Sliding Window Method Using Genetic Algorithms.

The practical implementation of control systems using readily available technology is often a difficult problem. Hence the discussion of the implementation of such a systems in Control Of Flow Cycles In An Ion Exchange Desalination Pilot Plant Using Labview<sup>tm</sup> by N. Mkondweni, R. Tzoneva and B. Hendry (from Peninsula Technikon, South Africa) is of interest to those interested in building reliable applications demonstrating important principles in Control Systems.

The last paper deals with a very important practical problem related to how to improve the interoperability of various computers on the Internet. Its title is Semantic Web And Peer-To-Peer: Integration And Interoperability In Industry by two researchers working in Finland, Vagan Terziyan and Andriy Zharko.

Once again, I am grateful to the reviewers for their valuable contribution and selfless support (a list of reviewers will be presented in a separate section of the web site of the journal).

Enjoy the second and last issue for 2003 of IJCSS.

Sincerely,

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