

GUEST EDITORIAL SELECTED PAPERS FROM THE DOCTORAL SYMPOSIUM ISOneWorld 2005

For a second time this journal is publishing the best papers from a doctoral symposium at the annual ISOneWorld conference in Las Vegas. Previously, the best papers in the corresponding 2004 event appeared in the 2004 issue 1, volume 5. This time we have a section of three best papers from the 2005 doctoral symposium, organized by the Information Institute. One of those papers went very early through the review process and was published in Volume 6, No 2: Understanding managers' intent to use IT certification as a selection tool in the hiring process, authored by D. Scott Hunsinger from Appalachian State University.

This section of the issue presents two other very interesting papers. Usually a doctoral symposium consists of papers showing work in progress as was the case with the paper just mentioned. Since the review process was a bit longer than usual, the two papers included here present actually some of the important findings of their authors within the completed dissertation projects.

The first paper in this section (Articulating Domain Prior Knowledge Using The Analytic Hierarchy Process For More Relevant Data Mining Patterns by K. Niki Kunene, formerly at Virginia Commonwealth University in Richmond and now at the University of Louisville, Kentucky, USA), shows again (in line with the spirit of multimethod research promoted in the Gil-Garcia and Pardo article in this issue) that combining methods may be a powerful way to address the complexity of research. The paper deals with a design science problem of theoretical and practical significance: application of data mining to a medical information domain (brain trauma intensive care), enhanced through the application of multicriteria decision analysis. The latter is used to capture the less structured domain knowledge of the expert. The research demonstrates that combining the power of computing through data mining with the intelligent capabilities of humans articulated in a MCDA framework is a viable way for solving complex real problems.

The last paper in this section and the issue, Business Engineering With Mobile Workforce Solutions by Y. Wang A, E. Van De Kar, A. G.R. Meijer B and H.G. Sol from Delft University of Technology, The Netherlands, pays attention to the impact of mobile technologies on how business is conducted – a little researched area with a significant potential. The difficulty in applying such technology is usually related to the inability to reflect in the work design and the existing structures the potential changes that may be needed by the application of mobile technologies. The careful analysis of two case studies and the review of other literature enable the authors to propose viable recommendations towards an improved usage of such technologies in the future, realizing their full capabilities.

The doctoral symposium had 9 participants of whom 7 submitted their papers for this special section of IJCSS. Through the process of a strict but careful and nurturing review process, with the help of several reviewers, we chose three of the papers as relevant for the wider research audience. We hope they demonstrate well the excellent capabilities of a new generation of IT researchers.

Enjoy the second section of this last IJCSS issue for 2006.

Sincerely,

Don Petkov
Eastern Connecticut State University, USA
and
G Urwin
University of Coventry, UK

Guest Co-Editors of the special section of IJCSS on the ISOneWorld 2005 Doctoral Symposium