

## **CALL FOR PAPERS**

### **International Journal of Decision Support System Technology (IJDSST)**

#### **SPECIAL ISSUE**

**dedicated to the 23<sup>rd</sup> European Conference on Operational  
Research**

#### **Guest Editor**

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#### **DESCRIPTION AND MISSION OF THE IJDSST:**

Decision-making Support Systems (DMSS) (Forgionne et al, 2005) are information systems that interactively support the decision-making process (Simon et al, 1987) of individuals and groups in life, public, and private organizations, and other entities. These systems include Decision Support Systems (DSS), Executive Information Systems (EIS), Expert Systems (ES), Knowledge Based Systems (KBS), and Creativity Enhancing Systems (CES). Other DMSS, such as Executive Support systems (ESS), Management Support Systems (MSS), Artificially Intelligent Decision Support Systems (IDSS), and Decision Technology Systems (DTS), integrate the functions of DSS, EIS, ES, KBS, or CES, to provide more comprehensive support than the individual separate systems (Turban and Watson, 1994; Forgionne, 1991; Forgionne & Kohli (2000); Nichols and Goul, 2005).

Each DMSS is a vehicle that delivers computer and information technology and decision technology effectively and efficiently to the system user at a local or networked workstation or online through the Internet. Computer and information technology typically involves hardware, systems software, and applications software, while decision technology usually involves accounting, cognitive science, economic, management science, and statistical models that describe the decision problem explicitly and provide algorithms, and methodologies that generate forecasts and recommended solutions.

The primary objective of the International Journal of Decision Support System Technology is to provide comprehensive coverage for DMSS technology issues. Thus, IJDSST has a primary focus on DMSS technology and its role in DMSS support for delivering value (Buede, 1986) to the decision-making process (Forgionne, 2000). The issues can involve, among other things, new hardware and software for DMSS, new models to deliver decision making support, dialog management between the user and system, data and model base management within the system, output display and presentation, DMSS operations, and DMSS technology management. Since the technology's purpose is to improve decision making (Mora et al, 2005), the articles are expected to link DMSS technology to improvements in the process and outcomes of the decision making process. This link can be established theoretically, mathematically, or empirically in a systematic and scientific manner.

## **AIM OF THE SPECIAL ISSUE:**

To publish the best full papers from the 23<sup>rd</sup> European Conference on Operational Research (<http://www.euro-2009.de/conference.htm>) with special regards to main stream Decision Analysis and Decision Support Systems and Modeling Languages themes.

## **RECOMMENDED TOPICS:**

Main topics suggested (but not limited to) are:

- DMSS computer hardware
- DMSS computer systems and application software
- DMSS system design, development, testing, and implementation
- DMSS data capture, storage, and retrieval
- DMSS model capture, storage, and retrieval
- DMSS system and user dialog methods
- DMSS output presentation and capture
- DMSS feedback control mechanisms
- DMSS function integration strategies and mechanisms
- DMSS technology evaluation
- DMSS network strategies and mechanisms
- Web-based and mobile DMSS technologies
- Public and private DMSS applications
- DMSS technology organization and management
- Context awareness, modeling and management for DMSS
- All other related technology issues that impact the overall utilization and management of DMSS in modern life and organizations.

## **SUBMITTING TO IJDSST**

Prospective authors should note that only original and previously unpublished articles will be considered. INTERESTED AUTHORS SHOULD CONSULT THE JOURNAL'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at [www.igi-global.com/journals/guidelines.html](http://www.igi-global.com/journals/guidelines.html). All article submissions will be forwarded to at least 3 members of the Editorial Review Board of the journal for double-blind, peer review. Final decision regarding acceptance/revision/rejection will be based on the reviews received from the reviewers. All submissions must be forwarded electronically to professor Miro Gradisar ([miro.gradisar@ef.uni-lj.si](mailto:miro.gradisar@ef.uni-lj.si)) with copy to professor Guisseppi Forgionne Editor-in-Chief ([forgionn@umbc.edu](mailto:forgionn@umbc.edu)) by no later than September 1st, 2009.

## **DEADLINES:**

First full paper submission due: September 1st, 2009

First notification to authors due: October 15, 2009

Second paper submission due: December 1st, 2009  
Definitive paper acceptance due: January 15, 2009  
Camera-ready versions due: February 1st, 2010  
Publishing date: September, 2010

## **PUBLISHER:**

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