

# Special Session on Intelligent Decision Support Systems

Under the framework of the 10<sup>th</sup> International Conference on Intelligent Systems Design and Applications, ISDA'10  
November 29 – December 1, 2010, Cairo, Egypt  
Conference web page: <http://cig.iet.unipi.it/isda2010/>

## Session Chairs

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**Introduction:** Decision support systems (DSSs) are computer-based systems that support individual or organizational decision-making processes. Recent advances in information technology and artificial intelligence are enhancing these systems and giving rise to Intelligent Decision Support Systems (IDSS). Ideally, an intelligent decision support system should behave like a human consultant supporting decision makers by gathering and analyzing evidence, identifying and diagnosing problems, proposing possible courses of action and evaluating the proposed actions.

### Topics

- DSS in intelligent and distributed computing environments
- Knowledge-Driven DSS Applications.
- Intelligent DSS methodologies, architectures, typologies, and capabilities
- Intelligent agents and decision support system.
- OLAP, data-warehousing, data-mining and intelligent DSS.
- Intelligent DSS design approaches and evaluation of DSS designs.
- Intelligent DSS user interface design, standards and features.
- Factors affecting intelligent DSS implementation.
- Impact of intelligent DSS on problem structuring, user behavior, and policy-makers.
- Integrating different types of DSS (data-based, model-based and knowledge-based DSS).
- Relationships between DSS and quality of decisions made, decision acceptance, decision satisfaction and decision speed.
- Selection of intelligent DSS generators and development packages.
- Studies of industry-specific and function-specific intelligent DSS

### Instructions for Authors:

Papers must correspond to the requirements detailed in the (Paper Submission)

on the conference flyer <http://cig.iet.unipi.it/isda2010/flyer.pdf> and All accepted papers will be published in the proceedings of ISDA'10 that will be also included in the IEEEExplore digital library. Extended versions of selected papers will be considered for publication

### **Registration Fees:**

All papers must be presented by one of the authors, who must pay the registration fees. <http://cig.iet.unipi.it/isda2010/>

### **Paper Reviewing and Publication**

Submitted papers will be reviewed. Accepted papers, which should not exceed 6 pages (PDF) following the double column IEEE format. All accepted papers will be published in the proceedings of the ISDA'10. Selected papers will be published in special issues of a selection of International Journals (to be announced).

### **Tentative Dates of Submission and Acceptance**

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|--------------------------------------|--------------------|
| • Deadline for paper submission      | June 26, 2010      |
| • Notification of acceptance         | August 14, 2010    |
| • Camera-ready manuscript submission | September 15, 2010 |