



# CALL FOR PAPERS

## *Decision Support Systems*

**SPECIAL ISSUE ON**

**Multiple Criteria Decision Making and Decision Support Systems:**

**Selected papers from the 20th International Conference on**

**Multiple Criteria Decision Making ([www.MCDM2009.cn](http://www.MCDM2009.cn))**

Decision support systems (DSS) are interactive computer-based systems that support decision-making activities. DSS uses knowledge and theory from diverse areas such as database research, artificial intelligence, decision theory, economics, cognitive science, management science, mathematical modeling, and others. As defined by the International Society on Multiple Criteria Decision Making (MCDM), MCDM is the study of methods and procedures by which concerns about multiple conflicting criteria can be formally incorporated into the management planning process. The application of methods and findings of MCDM to DSS can be traced back to the early 1980s. Over the years, MCDM has made considerable contribution to the development of various DSS subspecialties.

The International Society of MCDM has played an important role in the development of MCDM field. As of today, it has about 1470 members in 87 countries. The International Conference on Multiple Criteria Decision Making is a bi-annually conference organized by the Society of MCDM since 1975. The conferences have served as a global forum for sharing of original research results and practical development experiences among researchers and application developers from different multiple criteria decision making related areas, such as multiple criteria decision aiding, multiple criteria classification, ranking, multiple objective continuous and combinatorial optimization, multiple objective metaheuristics, multiple criteria decision making and preference modeling, and fuzzy multiple criteria decision making. The theme of the 20th MCDM, which will be held in June 2009, is "New State of MCDM in the 21st Century". The conference seeks solutions to challenging problems facing the development of multiple criteria decision making and shapes future directions of research by promoting high quality, novel and daring research findings. With the MCDM conference, these new challenges and tools can be shared with the multiple criteria decision making community. The 20th MCDM will invite a number of well-known MCDM scholars to deliver keynote speeches which include their experiences with the remarkable MCDM history, important contributions to MCDM and/or creative thinking towards the future development of MCDM.

This special issue seeks articles from researchers and practitioners from all related disciplines. Topics of interest include (but not limited to) the following:

- MCDM and DSS foundations
- MCDM models for DSS
- Multiple criteria decision support systems (MCDSS)
- MCDM for Group Decision Support
- Evaluating DSS via MCDM
- Impacts of MCDM and DSS
- Applications and Tools of MCDM and DSS

### **Submission:**

Manuscripts should be prepared following the submission requirement of Decision Support Systems. For submission guidelines, please refer to the Instructions for Authors available at: [http://www.elsevier.com/wps/find/journaldescription.cws\\_home/505540/description](http://www.elsevier.com/wps/find/journaldescription.cws_home/505540/description). All paper submissions should be emailed to the guest editors at [kougang@uestc.edu.cn](mailto:kougang@uestc.edu.cn) with a title "Submission to MCDM and DSS, SI in DSS". All papers will be peer-reviewed to determine the quality and relevance to the theme of the special issue.

For consideration for publication in this special issue, all manuscripts must be received by: **July 31, 2009**.

### **Guest Editors:**

#### **Dr Gang Kou**

Professor

School of Management and Economics

University of Electronic Science and Technology of China

No 4, Sec 2, North Jianshe Rd

Chengdu, P.R. China, 610054

Tel: +86-15982498501

Fax: +86-2883208808

E-mail: [kougang@uestc.edu.cn](mailto:kougang@uestc.edu.cn)

#### **Dr Yong Shi**

Professor

Graduate University of Chinese Academy of Sciences, China

No 80 Zhongguancun East Rd, Haidian District, Beijing 100080, China

Phone: +86-13501093251, Fax: +86-10-82680684, E-mail: [yshi@gucas.ac.cn](mailto:yshi@gucas.ac.cn)

And

Charles W. and Margre H. Durham Distinguished Professor

University of Nebraska at Omaha, USA

282 D PKI, College of Information Science and Technology, Omaha, Nebraska 68182-0572 USA

Phone: +1 (402) 554 – 3652, Fax: +1(402) 554 – 3400, Email:

[yshi@mail.unomaha.edu](mailto:yshi@mail.unomaha.edu)

#### **Dr Shouyang Wang**

Professor

Room 440, Academy of Mathematics and Systems Sciences, Chinese Academy of Sciences

Phone: +86-1062651381, Fax: +86-1062568364, E-mail: [sywang@amss.ac.cn](mailto:sywang@amss.ac.cn)