



**Call for papers for a special issue of
Information Fusion
An International Journal on Multi-Sensor, Multi-Source Information Fusion
An Elsevier Publication**

On

“INFORMATION FUSION IN CONSENSUS AND DECISION MAKING”

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The Information Fusion Journal is planning a special issue devoted to Information Fusion in Consensus and Decision Making. Consensus is an important area of research in Decision Making and the Information Fusion tools play an important role in consensus and decision making process. Consensus is defined as a state of mutual agreement among members of a group where all opinions have been heard and addressed to the satisfaction of the group. A consensus reaching process is a dynamic and iterative process composed by several rounds where the experts express, discuss and modify their preferences until to make a decision. Normally, this process is guided by the figure of a moderator, who helps the experts to make their preferences closer to each other. In consensus and decision making activities the management of uncertainty is necessary. The objective of the proposed special issue is to highlight the ongoing research on Information Fusion Techniques in Consensus and Decision Making under uncertainty. Focusing on theoretical issues and applications on various domains, ideas on how to solve consensus processes in decision making using Information Fusion related tools, both in research and development and industrial applications, are welcome.

*Manuscripts (**which should be original and NOT previously published in full or even in part or presented even in a more or less similar form under any other forum –cut and pastes of text, figures, tables, etc from other publications are NOT permitted**) covering new theories as well as applications on Information Fusion in consensus and decision making under uncertainty are invited. Contributions should be described in sufficient detail to be reproducible on the basis of the material presented in the paper.*

Topics appropriate for this special issue include, but are not limited to:

- ❖ *Consensus in group decision-making*
- ❖ *Consensus-based intelligent group decision-making*
- ❖ *Consensus under a group decision-making fuzzy environment*
- ❖ *Consensus in multiagent decision making*
- ❖ *Consensus over networks with dynamic channels*
- ❖ *Consensus measures*

Manuscripts should be submitted electronically online at <http://ees.elsevier.com/infus>. The corresponding author will have to create a user profile if one has not been established before at Elsevier. Simultaneously, please also send without fail an electronic copy (PDF format preferred), to the Guest Editor(s) listed below.

Guest Editors

Enrique Herrera-Viedma, University of Granada, viedma@decsai.ugr.es

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Deadline for Submission: MARCH 30, 2011