

**Call for papers for a special issue on
Fusion of Symbolic and Sensory Information
in
Information Fusion**

**An International Journal on Multi-Sensor, Multi-Source Information Fusion
An Elsevier Science Publication**

Editor-in-Chief: Dr. Belur V. Dasarathy
belur.d@dynetics.com; ifjournal@yahoo.com

Symbolic information may come into the fusion process from two directions, or at two different levels. It is most likely that the requirements for a fusion system are first stated in natural language. These requirements guide the development of the fusion system and, ultimately, are translated into code in a programming language. In such a case, the linguistic information is transformed and encoded into the fusion program. On the other hand, one of the information sources may be represented in textual format. The symbolic information can be structured (like in databases), semi-structured (e.g., annotated using XML, RDF, DAML, or other annotation languages), formal (e.g., sentences in predicate calculus), or unstructured (text documents). This special issue is devoted to research related to information fusion where symbolic information is processed by the fusion system.

Authors are encouraged to submit original, unpublished research papers in the areas related to the topic of symbolic fusion. Papers on both theory and applications of fusion of symbolic information and other non-symbolic data sources will be welcome. Specific areas of interest include (but are not limited to):

Theoretical aspects (linguistics and fusion, symbolic fusion)
Design methodologies for symbolic fusion systems
Formal methods approaches and reasoning in information fusion
Case studies of designs from symbolic specifications
Design of fusion systems using formal methods
Fusion of information in text documents with other sources (imagery, radar data, acoustic, IR and other)
Fusion of annotated data sources
Fusion of ontologies used for annotation of data sources

Prospective authors should follow the regular paper preparation guidelines found at <http://www.elsevier.com/inca/publications/store/6/2/0/8/6/2/index.htm>. Both regular and correspondence items will be considered. Submit: a hard copy to the Guest Co-Editor and an electronic copy in PDF or Postscript format to the Guest Co-Editor: Kokar@coe.neu.edu and to Editor-in-Chief: belur.d@dynetics.com.

Guest Co-Editor
Mieczyslaw M. Kokar
Department of Electrical and Computer Engineering
Northeastern University
360 Huntington Avenue
Boston, MA 02115, USA.
Tel: 1-617-373-4849; Fax: 1-617-373-8970
Email: kokar@coe.neu.edu

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