

# Journal of Advances in Information Fusion

A semi-annual archival publication of the International Society of Information Fusion

**Regular Papers**

**Page**

**General Combination Rules for Qualitative and Quantitative Beliefs ..... 67**

*Arnaud Martin and Christopher Osswald, ENSIETA, France*

*Jean Dezert, ONERA, France*

*Florentin Smarandache, University of New Mexico, USA*

**Hierarchical Higher level Data Fusion using Fuzzy Hamming  
and Hypercube Clustering ..... 90**

*Kedar Sambhoos, CUBRC, USA*

*Rakesh Nagi and Moises Sudit, State University of New York, USA*

*Terry Rickard, Lockheed Martin Corporation, USA*

**Covariance Reconstruction for Track Fusion with legacy Track Sources ..... 107**

*Yaakov Bar-Shalom, University of Connecticut, USA*

*Huimin Chen, University of New Orleans, USA*

**Intelligent System for Interpreting the Pattern of Volcanic Eruptions ..... 118**

*Galina L. Rogova, Cncompass Consulting, USA*

*Marcus I. Bursik and Sara Hanson-Hedgecock, State University of New York at Buffalo, USA*

**Information for Authors ..... 129**

*From the Associate*

*Editor-In-Chief*

*Makings of a Good*

*Peer Review...*