

Fusion methods for information sources



Associate Professor Cornel Barna
Aurel Vlaicu University of Arad, Romania

Abstract:

In real life we meet situations when different types on sensors or more general information sources must merge to obtain a value with evaluate a system attribute. In this case we can use a fusion method which will indicate a global characterization of the phenomena. In this presentation we will underline the context in which is used the information fusion, we will make a classification of the method and we will exemplify some applications of these methods.

Short CV:

Cornel. Barna is currently Professor in the Department of Automatics and Applied Software at the Faculty of Engineering, “Aurel Vlaicu” University of Arad, Romania.

He holds a Ph.D. Cum Laude, in Computer Science from Polytechnic University of Timisoara.

Dr. Barna is author of more than 40 research papers in refereed journals and International Conferences. Her research interests are in Intelligent Systems, Fuzzy Control, Soft Computing, Smart Sensors, Information Fusion, Modeling and Simulation.

He is a member of European Society for Fuzzy Logic and Technology (EUSFLAT), member of Society for Industrial and Applied Mathematics (SIAM) and a Senior Member IEEE, member in Association for Computing Machinery (ACM).