

**SUMMARY OF CURRENT ACTIVITIES**  
**OF THE WORKSHOP ON FUZZY SYSTEMS AND THEIR APPLICATIONS**  
**"Gr. C. MOISIL" - Iasi, Romania**

The standing Workshop on Fuzzy Systems and Their Applications (WFSA), named in the honor of the late Professor Grigore C. Moisil, one of the founders of the fuzzy logic, was established in 1988. It is based in Iasi Polytechnic Institute (Technical University), although it includes participants (more than 50%) from other higher schools (Iasi University, Iasi Institute of Medicine) and research institutes from Iasi. The activity of WFSA is coordinated by a chairman (director) and a scientific board. The Workshop coordinates the activities of various groups active in fuzzy sets, systems and related fields, from various institutes (various departments in the Polytechnic Institute, University, Institute for Information Science - Romanian Academy (Iasi Branch), Romanian Scientists Association a.s.o.).

The following research lines are under development, as reflected by the published or communicated papers:

1. Fuzzy categories.
2. Fuzzy arithmetic (including computation with fuzzy numbers).
3. Fuzzy control (including adaptive control).
4. Fuzzy systems with applications to communications (e.g. fuzzy VCO, oscillators, PLLs etc.).
5. Fuzzy classification and recognition processes.
6. Optimality and robustness in terms of fuzziness.
7. Arithmetic fuzzy systems and signals.
8. General theory of fuzzy signals.
9. Applications in bio-medical engineering.

Moreover, a special emphasis is placed on the educational process in fuzzy systems and related fields.

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