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THE 12TH INTERNATIONAL FLINS CONFERENCE August 24-26, 2016 ENSAIT, Roubaix, France

Preliminary call for papers to the Special Session: Soft Computing and Sensory analysis

The aim of this special session is to discuss and disseminate the most recent advancements focused on Sensory Analysis supported by Soft Computing techniques, making emphasis on advance knowledge-based systems endowed with the capability to handle the inherent uncertainty and imprecision of such analysis. Soft Computing techniques (Fuzzy Logic, Neuro-computing, Probabilistic Reasoning, Evolutionary Computation, etc.) are well-known because of their ability to work in a cooperative way, taking profit from the main advantages of each other. They yield knowledge-based systems able to solve lots of complex real-world problems for which classical techniques cannot give accurate results. Interpretability, due to its human-centric character, plays a key role in system modeling; it becomes essential in applications with high human interaction like Sensory Analysis. Cooperation between expert knowledge and data mining can help building better validated and interpretable models.

The topics of interest of this special session include (but are not limited to):

- Quality assessment of food and non-food products (descriptive analysis, affective testing, etc.)
- Analysis of expert panel or consumer data
- Qualitative and quantitative evaluation of subjective measurements
- Expert knowledge elicitation
- Cooperation between expert knowledge and data mining
- Management of uncertainty in sensometry
- Computing with sensory perceptions
- Modeling global quality of products
- Decision making based on qualitative sensory analysis
- Marketing supported by sensory analysis
- Human-centric design of products guided by sensory analysis

Deadlines: December 15, 2015 (Special session proposal) - February 5, 2016 (Full paper submission)

We encourage you to take part in this special session. In case you are interested in submitting a paper on these and related topics or you desire to get additional information, please do not hesitate to contact by e-mail one of the organizers.

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