7th School on Belief Functions and their Applications

https://bfasociety.org/BFTA2025

Carmen de la Victoria, University of Granada, Granada, Spain
Oct. 19-23, 2025

Important Dates

15th April 2025 Registration opens

15th July 2025 Deadline for early-bird registration

15th September 2025 Deadline for registration

Students 200€ (early-bird) / 250 €

Regular 300€ (early-bird) / 350 €

Online 50€

Organizing committee

Serafín Moral (Chair), Universidad de Granada, Spain

Inés Couso, Universidad de Oviedo, Spain

Enrique Miranda, Universidad de Oviedo, Spain

Thierry Denoeux, Université de Technologie de Compiègne, France

Anne-Laure Jousselme, CS Research Lab, France

Fréderic Pichon, Université d'Artois, France

David Mercier, Université d'Artois, Franc

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The School

The BELIEF school is a biennial event organized by the Belief Functions and Applications Society (BFAS) that offers a unique opportunity for students and researchers to learn about fundamental and advanced aspects of the theory of belief functions (also referred to as Dempster-Shafer theory, or evidence theory), a formalism for reasoning with uncertainty.

The school will be organized around a set of lectures by prominent researchers. Lectures will gradually tackle basic to more advanced theoretical concepts. They will also highlight the links with other uncertainty theories such as random sets and possibility theory, and present applications of belief functions in various domains including machine learning, information fusion, statistical inference and materials science.

There will be a poster session in which participants can present and discuss their ongoing research.

The Lectures

Introduction to the theory of belief functions
Frédéric Pichon, Université d'Artois, France

Uncertainty, conflict and distance measures in evidence theory
Anne-Laure Jousselme, CS Research Lab, France

Correction and fusion of belief functions
Frédéric Pichon, Université d'Artois, France

Graphical belief function models: theory, computation and applications
Prakash Shenoy, School of Business, University of Kansas, USA

Approximation of belief functions
Serafín Moral, Universidad de Granada, Spain

Random sets and random fuzzy sets
Inés Couso, Universidad de Oviedo, Spain

Imprecise probabilities interpretation of belief functions
Enrique Miranda, Universidad de Oviedo, Spain

Decision with uncertainy with belief functions
Sébastien Destercke, Université de Technologie de Compiègne, France

Random fuzzy sets II
Thierry Denoeux, Université de Technologie de Compiègne, France

Statistical inference and belief functions
Ryan Martin, North Carolina State University, USA

Evidential machine learning
Thierry Denoeux, Université de Technologie de Compiègne, France

Panel discussion

Note: Financial support will be offered by BFAS to some students for attending the school. See details of the application procedure in the school web page. ISIF members can apply for a 50% discount on the registration fee.