

Monday 1st July

13h30-15h30	Tutorial 1 (Centre de transfert – salles Apollo/Ariane rooms) Matthias Troffaes <i>A Gentle Introduction to Imprecise Probabilities: Brief History and First Principles</i>
15h30-16h	Break
16h-18h	Tutorial 2 (Centre de transfert – Apollo/Ariane rooms) Thierry Denoeux <i>Introduction to belief functions</i>
18h30-20h	Welcome reception (St-Nicolas room, downtown)

Tuesday 2nd July

8h00-9h00	Registration
9h00-9h30	Opening ceremony
9h30-10h30	<p>Session 1 : Applications Chair : Alessio Benavoli</p> <p>Alice Cicirello and Robin Langley <i>An approach to uncertainty in probabilistic assignments with application to vibro-acoustic problems</i></p> <p>Matthias Troffaes and Simon Blake <i>A Robust Data Driven Approach to Quantifying Common-Cause Failure in Power Networks</i></p> <p>M. Hourbracq, C. Baudrit, P.-H. Wuillemin and S. Destercke <i>Dynamic Credal Networks: introduction and use in robustness analysis</i></p> <p>Matthias Troffaes and Lewis Paton <i>Logistic Regression on Markov Chains for Crop Rotation Modelling</i></p> <p>Lukas Wurzer and Michael Oberguggenberger (poster) <i>The Stochastic Wave Equation with an Interval Valued Parameter</i></p>
10h30-11h30	Poster Session + coffee break
11h30-12h30	<p>Invited Talk Chair : Enrique Miranda</p> <p>Alessio Benavoli <i>Pushing Dynamic Estimation to the Extremes: from the Moon to Imprecise Probability</i></p>
12h30-14h	Lunch
14h-15h	<p>Session 2 : classification and regression Chair : Marco Cattaneo</p> <p>Paul Fink and Richard Crossman <i>Entropy Based Decision Trees</i></p> <p>Alessandro Antonucci, Rocco De Rosa, Alessandro Giusti and Fabio Cuzzolin <i>Classification of Temporal Data by Imprecise Dynamic Models</i></p> <p>Lev V. Utkin and Andrea Wiencierz <i>An imprecise boosting-like approach to regression</i></p> <p>Andrea Mignatti and Giorgio Corani <i>Credal model averaging of logistic regression for modeling the distribution of marmot burrows</i></p>
15h-16h	<p>Session 3 : regression and robustness Chair : Thomas Augustin</p> <p>Xun Wang, Shoumei Li and Thierry Denoeux <i>Interval-Valued Linear Model</i></p> <p>Georg Schollmeyer and Thomas Augustin <i>On Sharp Identification Regions for Regression Under Interval Data</i></p> <p>Scott Ferson, Michael Balch, Kari Sentz and Jack Siegrist <i>Computing with Confidence</i></p> <p>Marco Cattaneo <i>On the Robustness of Imprecise Probability Method</i></p>
16h-18h	Poster Session + coffee break
19h00-20h30	Town Hall Reception

Wednesday 3rd July

9h00-10h15	<p style="text-align: center;">Session 4 : Coherence Chair : Teddy Seidenfeld Enrique Miranda and Marco Zaffalon <i>Computing the conglomerable natural extension</i> Enrique Miranda and Ignacio Montes <i>Coherent updating of 2-monotone previsions</i> Andrey Bronevich and Igor Rozenberg <i>The description of extreme 2-monotone measures</i> Matthias Troffaes and Michael Goldstein <i>A Note on the Temporal Sure Preference Principle and the Updating of Lower Previsions</i> Erik Quaeghebeur <i>Characterizing coherence, correcting incoherence</i> Stavros Lopatzidis, Jasper De Bock and Gert de Cooman (poster) <i>First steps towards Little's Law with imprecise probabilities</i></p>
Poster Session + coffee break	
11h15-12h15	<p style="text-align: center;">Invited Talk Chair : Alessandro Antonucci Linda van der Gaag <i>Recent Advances in Sensitivity Analysis of Bayesian Networks</i></p>
Lunch	
IJAR Board Meeting	
14h-15h	<p style="text-align: center;">Session 5 : conditional measures Chair : Matthias Troffaes Fabio Gagliardi Cozman <i>Independence for Sets of Full Conditional Measures, Sets of Lexicographic Probabilities, and Sets of Desirable Gambles</i> Teddy Seidenfeld, Mark Schervish and Joseph Kadane <i>Two theories of conditional probability and non-conglomerability</i> Giulianella Coletti and Barbara Vantaggi <i>Conditional not-additive measures and fuzzy sets</i> Giulianella Coletti and Davide Petturiti <i>Bayesian-like inference, complete disintegrability and complete conglomerability in coherent conditional possibility theory</i></p>
15h-15h45	<p style="text-align: center;">Session 6 : graphical models Chair : Fabio Cozman Andres R. Masegosa and Serafin Moral <i>A New Framework for Learning Generalized Credal Networks</i> Jasper De Bock and Gert de Cooman <i>Credal networks under epistemic irrelevance using sets of desirable gambles</i> Jasper De Bock and Gert de Cooman <i>Allowing for probability zero in credal networks under epistemic irrelevance</i> Denis Maua, Cassio de Campos, Alessio Benavoli and Alessandro Antonucci (poster) <i>New results on the Inferential Complexity of Credal Networks</i></p>
Poster Session + coffee break	
	<p style="text-align: center;">Invited Talk Chair : Thomas Fetz Isaac Elishakoff <i>Recent advances in modeling uncertainty in applied mechanics</i></p>

Thursday 4th July

9h00-10h	<p>Session 7 : Belief functions, random sets and evidence combination Chair : Thierry Denoeux</p> <p>Radim Jirousek and Vaclav Kratochvil <i>On Open Problems Connected with Application of the Iterative Proportional Fitting Procedure to Belief Functions</i></p> <p>Felipe Aguirre, Christelle Jacob, Sébastien Destercke, Didier Dubois and Mohamed Sallak <i>Inclusion/exclusion principle for belief functions</i></p> <p>Alexander Karlsson and David Sundgren <i>Second-Order Credal Combination of Evidence</i></p> <p>Alexander Karlsson and H. Joe Steinhauer <i>Evaluation of Evidential Combination Operators</i></p> <p>Milan Daniel (Poster) <i>A Step Towards a Conflicting Part of a Belief Function on 3-element Frame of Discernment</i></p> <p>Thomas Fetz (Poster) <i>Parameter Dependent Uncertainty in Limit State Functions</i></p> <p>Jelena Nedeljkovic and Michael Oberguggenberger (poster) <i>Stochastic PDEs with Random Set Coefficients</i></p>
10h-11h	Poster Session + coffee break
11h-12h	<p>Invited Talk Chair : Didier Dubois</p> <p>Christophe Labreuche <i>Robustness in Multi-Criteria Decision Making and its relation with Imprecise Probabilities</i></p>
12h00-13h30	Lunch
13h30-15h	<p>Session 8 : logical and statistical inference Chair : Serafin Moral</p> <p>Malcolm Farrow <i>Sample size determination with imprecise risk aversion</i></p> <p>Arthur Van Camp and Gert de Cooman <i>Modelling practical certainty and its link with classical propositional logic</i></p> <p>Francesca Mangili and Alessio Benavoli <i>New Prior Near-ignorance Models on the Simplex</i></p> <p>Matthias Troffaes and Damjan Skulj <i>Model checking for imprecise Markov chains</i></p> <p>Rafael Nunez, Matthias Scheutz, Kamal Premaratne and Manohar N. Murthi <i>Modeling Uncertainty in First-Order Logic</i></p> <p>Jirina Vejnarova <i>Operator of composition for credal sets</i></p> <p>Mikelis Bickis (Poster) <i>Geometries of inference</i></p> <p>Enrique Miranda, Ignacio Montes, Renato Pelessoni and Paolo Vicig (Poster) <i>Bivariate P-boxes</i></p>
15h-17h	Poster Session + coffee break
17h-18h	SIPTA general meeting
18h-23h	Dinner at Pierrefonds castle and IJAR prize

Friday 5th July

9h30-10h30	Session 9 : Decision making Chair : Erik Quaeghebeur Hailin Liu <i>Rationalizability under Uncertainty using Imprecise Probabilities</i> Kevin Loquin <i>Significance of a decision making problem under uncertainty</i> Ines Couso and Luciano Sánchez <i>Is the mode a lower prevision?</i> Michael Smithson <i>Conflict and Ambiguity: Preliminary Models and Empirical Tests</i>
10h30-11h30	Poster Session + coffee break
11h30-12h30	Invited Talk Chair : Ines Couso Jean-Marc Tallon <i>Ambiguity and ambiguity attitudes in economics</i>
12h30-14h00	Lunch
14h-15h	Closing session + poster prizes
15h	Departure for Utrecht (for ECSQARU participants)