



MINISTERIO
DE CIENCIA
Y TECNOLOGIA



Universidad de Alcalá



EUROFLAT
EUROPEAN SOCIETY
FOR FUZZY LOGIC
AND TECHNOLOGY



Universidad de Oviedo



CAJA MADRID



Junta de Comunidades de
Castilla-La Mancha



AYUNTAMIENTO DE
ALCALÁ DE HENARES

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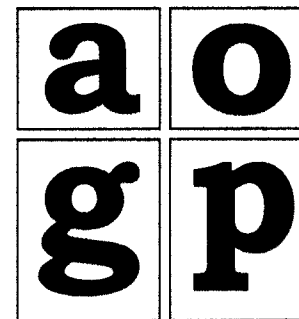
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International Summer School on Aggregation Operators and their applications



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Monday July 14

9.00-12.00	Registration
9.30-9.45	School Opening session
9.45-11.15	Tutorial 1 First Part. Chair: R. Mesiar "Aggregation on finite ordinal scales" J.L. Marichal
11.15- 11.45	Coffee Break
11.45-12.30	Plenary session. Chair: R. Mesiar "Aggregation operators constructed by pair of real binary operations" E. Pap
12.30-13.45	Regular Session "Aggregation Operators I". Chair: R. Mesiar "Twofold integral and multi-steps multiintegral" Y. Narukawa and V. Torra "Multilayer aggregation operators" E. Tsiporkova and V. Boeva "Composition of aggregation operators-one more new construction method" T. Calvo, A. Mesiarová and L. Valášková
14.00-15.30	Lunch
15.30-17.15	Regular Session "Some Types of Measures in Fuzzy Sets Theory". Chair: E. Pap "P-symmetric bi-capacities" P. Miranda and M. Grabish "Extreme points os some families of fuzzy measures" P. Miranda, E. F. Combarro and P. Gil "Decomposable bicapacities" S. Saminger and R. Mesiar "Measures of specifity under indistinguishabilities" L. Garmendia, A. Salvador and E. Trillas
17.15-17.45	Coffe Break
17.45-18.30	Plenary Session. Chair: E. Pap "Measure of information trough a likelihood" G. Coletti and R. Scozzafava
19.00	Visit to Alcalá University

Tuesday July 15

9.30-11.00	Tutorial 1 Second Part. Chair: R. Mesiar "Aggregation on finite ordinal scales" J.L. Marichal
11.00-11.30	Coffee Break
11.30-12.15	Plenary session. Chair: L. González "A plea for the use of commutative quasi-copulas in fuzzy logic" B. de Baets
12.15-14.00	Regular Session "Fuzzy Logic". Chair: B. de Baets "On some types of implications on a finite chain" M. Mas, M. Monserrat and J. Torrens "Residual implications and coimplications from idempotent uninorms" D. Ruiz and J. Torrens "Study of the transitivity of fuzzy indifference relations involving the nilpotent minimum" S. Díaz, B. De Baets and S. Montes "Coordinate-wise aggregation of nearness relations" M. Kalina
14.00-15.30	Lunch
15.30-16.45	Regular Session "Aggregation Operators II". Chair: J. L. Marichal "Constructing reciprocal and stable aggregation operators" J. L. García and R. Marques "Some types of invariantnesses of aggregation operators" J. Lázaro and T. Rüskschlossová "Bipolar aggregation operators" A. Mesiarová, J. Lázaro and T. Calvo.
16.45-17.15	Coffe Break
17.15-18.00	Plenary Session. Chair: J. L. Marichal "How to introduce weights into aggregation" T. Calvo

Wednesday July 16

Cultural trip to Toledo

Thursday July 17

9.30-11.00	Tutorial 2 First Part. Chair: G. Mayor "The role of aggregation operators: some examples from systems analysis and data mining" J. Kacprzyk
11.00-11.30	Coffee Break
11.30-12.15	Plenary session. Chair: L. González "Discrete copulas" G. Mayor, J. Suñer and J. Torrens
12.15-13.30	Regular Session "Application of Aggregation Operators". Chair: J. Kacprzyk "Flexible aggregation of the left-hand side of fuzzy constraints" H. Rommelfanger "On the use of the Choquet integral for the aggregation of usability related scores" M.A. Sicilia, E. García and T. Calvo "Some Induced ordering weighting averaging operators to solve decision problems based on fuzzy preference relations" F. Chiclana, E. Herrera-Viedma and F. Herrera
13.30-15.00	Lunch
15.00-16.45	Regular Session "Memorial Session: P. Benvenuti". Chair: C. Bertoluzza "Entropy and the common refinement of partitions" J. Petrovicova and B. Riecan "G-differential calculus in the setting of aggregation operators" D. Vivona and M. Divari "Compositive non-adaptability measures" C. Bertoluzza, V. Doldi, J. Jiménez and S. Montes "Pietro Benvenuti's results on aggregation operators" R. Mesiar and D. Vivona
16.45-17.15	Coffee break
17.15-18.00	Plenary Session "Memorial Session: P. Benvenuti". Chair: C. Bertoluzza "Fuzzy measures and integrals: on the contribution of prof. P. Benvenuti" R. Mesiar and D. Vivona
20.00-21.00	Memorial concert for Prof. P. Benvenuti (Colegio Los Basiliós)
21.30	Gala Dinner.

Friday July 18

9.300-11.00	Tutorial 2 Second Part. Chair: G. Mayor "The role of aggregation operators: some examples from systems analysis and data mining" J. Kacprzyk
11.00-11.30	Coffee Break
11.30-12.15	Plenary Session. Chair: B. de Baets "The role of aggregation operators in flexible information retrieval systems" G. Pasi
12:15-13.30	Regular Session "Aggregation Operators III". Chair: G. Pasi "A discussion on consistency of global aggregation operators" D. Gómez and J. Montero "A review of binary kernel aggregation operators" A. Kolesárová, J. Mordelová and E. Muel "Tool selection under uncertainty by fuzzy aggregation operators" M. A Fernández de Sevilla, L. Jiménez and J. R. Fernández del Castillo
13.30-14.00	Closing session
14.00	Lunch