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### **Short Curriculum Vitae**

#### **Current Academic Position**

Formerly Full Professor of Mathematical Methods for Economics and Actuarial-Financial Sciences, S.S.D. SECS-S/06 in the Faculty of Social Sciences of the University of Chieti-Pescara (Italy).

Director of the Department of Social Sciences from November, 1, 2007 to November, 15, 2011. Delegate to International Relations of the Faculty and Department from 2003 to 2015, and coordinator of many Socrates Erasmus projects (e.g. with Romania, Greece, Austria, Spain, Sweden and other countries).

Retired by age limits from 1 November 2015, continues to hold the teachings of "Mathematics for Architecture" and "Mathematics and Statistical Models for the Social Sciences" as "Adjunct Professor for high qualification.

Chief Editor of the Journals:

- Ratio Mathematica;
- Science&Philosophy.

Honorary Chief Editor of the Journal:

- Hopue.

Member of the Editorial Board/Scientific Committee of:

- Italian Journal of Pure and Applied Mathematics (ISSN 2239-0227);
- International Journal of Algebraic Hyperstructures and its Applications (IJAHA) (ISSN 2383-2851);
- Journal of Social Economy (ISSN print: 2248 – 0560; ISSN online 2248 – 3667);
- Journal of Discrete Mathematical Sciences & Cryptography (ISSN: 0972-0529 eISSN: 2169-0065);
- Annals of „Eftimie Murgu” University of Reșița - Fascicle of Humanities-Social Science (ISSN 2286-0711, 2359-7526);
- Periodico di Matematiche (ISSN 1582-8832).

#### **Previous Activities and Main Academic-Educational Qualifications:**

He was tenured at the University of Chieti-Pescara (Italy) from 1974 onwards, firstly as “Assistente Ordinario”, after as Associate Professor from 1985, and finally Full Professor from 2006.

He has the Degree in Mathematics and Specialization in Operational Research with honors.

He lectured many courses at the University of Chieti-Pescara and other Universities:

- Institutions of Mathematics 1 e 2 (Analysis and Geometry);
- Probability and Statistics;
- Mathematical Models for Social Sciences;
- Mathematics for Social Sciences;

- Social Statistics;
- Informatics;
- Logic and Foundations of Mathematics.

**Main Research Activities:**

A) Formulation of Mathematical Models and related algorithms for decision making and classification problems in Social Sciences and Economics, in condition of Uncertainty, also with the use of linguistic variables.

B) Foundations of Subjective Probability, Coherence and extension of the Coherence Theory to a most general ambit for assessment of scores and their aggregation in multi-criteria and multi-persons decision making problems.

C) Applications of Game Theory in the Social Ambit. Fuzzy Games.

He is author of more than 150 scientific papers and didactic books.

He is Referee and Associate editor of National and International Mathematical Journals. He is also Editor of many Books and Proceeding of Conferences.

From 1987 he is the President of the section Mathesis (Italian Society of Mathematical and Physical Sciences from 1895) of Pescara.

**Main Recent Publications (Full list on [Iris](#))**

Šárka Hošková-Mayerová, Antonio Maturo (2017). Hyperstructures and Fuzzy Structures in Social Sciences. "Mathematical-Statistical models and qualitative theories for economic and social sciences" in Studies in Systems, Decision and Control, Springer International Publishing. In Press.

Luciana Delli Rocili , Antonio Maturo (2017). Social problems and decision making for teaching approaches and relationship management in an elementary school. "Mathematical-Statistical models and qualitative theories for economic and social sciences" in Studies in Systems, Decision and Control, Springer International Publishing. In Press.

Antonio Maturo, Antonella Sciarra (2017). Reasoning and Decision Making in Practicing Counseling Hyperstructures and Fuzzy Structures in Social Sciences. "Mathematical-Statistical models and qualitative theories for economic and social sciences" in Studies in Systems, Decision and Control, Springer International Publishing. In Press.

Maturo, A. & Maturo, F., (2017). Fuzzy Events, Fuzzy Probability and Applications in Economic and Social Sciences. Studies in Systems, Decision and Control, pp.223–233. Available at: [http://dx.doi.org/10.1007/978-3-319-40585-8\\_20](http://dx.doi.org/10.1007/978-3-319-40585-8_20).

Hošková-Mayerová, Š. & Maturo, A., (2017). Fuzzy Sets and Algebraic Hyperoperations to Model Interpersonal Relations. Studies in Systems, Decision and Control, pp.211–221. Available at: [http://dx.doi.org/10.1007/978-3-319-40585-8\\_19](http://dx.doi.org/10.1007/978-3-319-40585-8_19).

Maturo A., Tofan I. (2016), *Fuzziness Teorie e applicazioni*, Aracne Editrice, Roma

Ferri, J., Maturo, A. (2015) An approach to urban regeneration by game theory and decisions. **Decision and Game Theory: Perspectives, Applications and Challenges**, pp. 31-47.

Maturo A., Maturo F. (2014). **Finite geometric spaces, Steiner systems and cooperative games**. [1.1 *Articolo in rivista/ ID:522112*]

Maturo A., Massimo Squillante M., Ventre A.G.S. (2013). **Dynamical Models for Representing and Building Consensus in Committees**. In: Araceli N. Proto, Massimo Squillante, Janusz Kacprzyk Eds., *Advanced Dynamic Modelling of Economic and Social Systems*. Springer Verlag, Heidelberg p. 11 - 19 [2.1 *Contributo in volume (Capitolo o Saggio)/ ID:448886*]

Maturo A., Maturo F. (2013). **Research in Social Sciences: Fuzzy Regression and Causal Complexity**. In: Aldo G.S. Ventre, Antonio Maturo - Sárka Hosková-Mayerová Janusz Kacprzyk Eds., *Multicriteria and Multiagent Decision Making with Applications to Economics and Social Sciences*. Springer Verlag, Heidelberg p. 237 - 250 [2.1 *Contributo in volume (Capitolo o Saggio)/ ID:448888*]

Maturo A., Ventre A.G.S. (2013). **Multiobjective Decision-Making, de Finetti Prevision and Fuzzy Prevision**. In: Aldo. G. S. Ventre, Antonio Maturo, Sarka Hoskova-Mayerova and Janusz Kacprzyk, Editors, *Multicriteria and Multiagent Decision Making with Applications to Economic and Social Sciences*. Springer Verlag, Heidelberg p. 251 - 262 [2.1 *Contributo in volume (Capitolo o Saggio)/ ID:448887*]

Maturo A., Ventre A.G.S. (2012). Zadeh Fuzzy Probability, De Finetti Subjective Probability and Prevision. In: Seising R, Trillas E, Moraga C, Termini S (Eds), ***On Fuzziness Homage to Lotfi A. Zadeh***. Springer Verlag, p. 131 - 136 [2.1 *Contributo in volume (Capitolo o Saggio)/ ID:448293*]

Maturo A., Sciarra E., Ventre A.G.S. (2012). Mathematical models of decision-making in counseling. ***International Journal of Risk Theory*** (ISSN:2248-1672) p. 19 - 28 Vol. 2 [1.1 *Articolo in rivista/ ID:415884*]

Maturo A. (2012). Multi-objective decision making based on fuzzy events and their coherent (fuzzy) measures. ***Italian Journal of Pure And Applied Mathematics*** (ISSN:2239-0227) p. 309 - 324 Vol. 29 [1.1 *Articolo in rivista/ ID:409683*]

Ferri B., Maturo A. (2012). **Decision making models for a sustainable reuse of port areas: the case of Pescara**. BDC. Bollettino del dipartimento di conservazione dei beni architettonici ed ambientali dell'università degli studi di Napoli (ISSN:1121-2918) p. 771 - 783 Vol. 12 [1.1 *Articolo in rivista/ ID:409284*]

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Maturo A., Contini R.M. (2012). **Formalization of models and strategies for diversity management in a multiethnic and multicultural school**. In: Gary Bell & Jon Warwick and Peter Galbraith (Eds.), *Higher Education Management and Operational: Demonstrating New Practices and Metaphors*. Sense Publishers, Rotterdam p. 239 - 252 [2.1 *Contributo in volume (Capitolo o Saggio)/ ID:409483*]

Maturo A., Paone F. (2012). **New Processes of Socialization in Education: Theoretical Analysis, Proposals for Intervention and Formalization with Fuzzy Models.** *Procedia: Social & Behavioral Sciences* (ISSN:1877-0428) p. 4886 - 4893 Vol. 46 [1.1 Articolo in rivista/ ID:448291]

Contini R.M., Maturo A. (2012). **Multiethnic societies, citizenship/citizenships and intercultural education.** In: Editors: Dexter Petty and Clay MacFarland, *Citizenship: Practices, Types and Challenges.* Nova Science Publishers, Inc., New York p. 131 - 141 [2.1 Contributo in volume (Capitolo o Saggio)/ ID:448885]

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Maturo A. Contini R. M., (2011), *AHP procedures for decisions in a multi-ethnic scholastic environment, Proceeding of the International Symposium on the Analytic Hierarchy Process 2011 (ISAHP2011)*, paper 42-0192, Sorrento, Napoli, ITALY June 15 – 18, 2011. ISSN 1556-8296

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Maturo A., Ventre A. G. S. (2010), *Multiagent Decision Making, Fuzzy Prevision, and Consensus*, E. Hüllermeier, R. Kruse, and F. Hoffmann (Eds.): *Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2010)*, book series “Communications in Computer and Information Science 81”, Part II, CCIS 81, pp. 251–260, 2010. Springer-Verlag Berlin Heidelberg 2010. ISBN-13 978-3-642-14057-0 [2.1 Contributo in volume (Capitolo o Saggio)/ ID:448294]

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