

LIST OF PUBLICATIONS

July, 2016

Mario Fedrizzi

A) Peer-reviewed scientific articles

Journal articles

1. Collan M., Fedrizzi M., Luukka P. (2016). Possibilistic risk aversion in group decisions: theory with application in the insurance of giga-investments valued through the fuzzy pay-off method. *Soft Computing*. Published online: 13 February 2016.
2. Collan M., Fedrizzi M., Luukka P. (2015). New closeness coefficients for fuzzy similarity based fuzzy TOPSIS: An approach combining fuzzy entropy and multidistance. *Advances in Fuzzy Systems*, vol. 2015.
3. Brunelli M., Fedrizzi M., Fedrizzi M. (2014). Fuzzy m-ary adjacency relations in social network analysis: optimization and consensus evaluation. *Information Fusion*, vol 17, pp. 36-45.
4. Collan M., Fedrizzi M., Luukka P. (2013). A multi-expert system for ranking patents: an approach based on fuzzy pay-off distributions and a TOPSIS-AHP framework. *Expert Systems with Applications* vol. 40, pp. 4749-4759.
5. Bonetti A., Bortot S., Fedrizzi M., Marques Pereira R. A., Molinari A. (2012). Modeling group processes and effort estimation in Project Management using the Choquet integral: an MCDM approach, *Expert Systems with Applications*, vol. 39, pp. 13366-13375.
6. Bortot S., Fedrizzi M., Giove S. (2011). Modeling fraud detection by attack trees and Choquet integral, *Advances in Fuzzy Sets and Systems*, vol. 9, pp. 137-165.
7. Buoni A., Fedrizzi M., Mezei J. (2011). Combining attack trees and fuzzy numbers in a multi-agent approach to fraud detection, *International Journal of Electronic Business*, vol. 9, pp. 186-202.
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9. Fedrizzi M., Fedrizzi M., Marques Pereira R. A. (2007). Consensus modeling in group decision making: a dynamical approach based on fuzzy preferences, *New Mathematics and Natural Computation*, vol. 3, pp. 219-237.
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13. Fedrizzi M., Novak V., Zorat A. (1997). A simple procedure for pattern pre-recognition based on fuzzy logic analysis, *International Journal of Uncertainty, Fuzziness and Knowledge-based Systems*, vol. 5, pp. 31-45.
14. Bordogna G., Fedrizzi M., Pasi G. (1997). A linguistic modeling of consensus in group decision making based on OWA operators, *IEEE Transactions on Systems, Man, and Cybernetics. Part B, Cybernetics*, vol. 27, pp. 126-132.
15. Kacprzyk J., Fedrizzi M., Nurmi H. (1996). How different are social choice functions: a rough sets approach, *Quality & Quantity*, vol. 30, pp. 87-99.

16. Kacprzyk J., Fedrizzi M., Nurmi H. (1996). Probabilistic, fuzzy and rough concepts in social choice, *European Journal of Operational Research*, vol. 95, pp. 264-277.
17. Fedrizzi M. (1995). Fuzzy approaches to modeling of consensus in group decision support, *Fuzzy Economic Review*, pp. 71-86.
18. Kacprzyk J., Fedrizzi M. (1995). Developing a fuzzy logic controller in case of sparse testimonies, *International Journal of Approximate Reasoning*, vol. 12, pp. 221-236.
19. Fedrizzi M., Fedrizzi M., Marques Pererira R. A. (1994). Bayesian reconstruction of weakly consistent preference structures (in Italian), *Quaderni di Statistica e Matematica Applicata alle Scienze Economico-Sociali*, vol. 16, 21-29.
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21. Fedrizzi M., Fedrizzi M., Ostasiewicz W. (1993). Towards fuzzy modeling in economics, *Fuzzy Sets and Systems*, vol. 54, pp. 259-268.
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27. Boatto V., Fedrizzi M., Furlani P., Povellato A. (1991). Fuzzy logic in group decisions: an application to problems of environmental policies, *Land and Resources Use Policy*, pp. 62-82.
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Book chapters

45. Bortot S., Fedrizzi M., Fedrizzi M., Marques Pereira R. A. (2016). A multidistance approach to consensus modeling. In Collan M., Fedrizzi M., Kacprzyk J. (Eds.): *Fuzzy Technology: Present Applications and Future Challenges*, Studies in Fuzziness and Soft Computing, Springer, Heidelberg, pp. 103-114.
46. Collan M., Luukka P., Fedrizzi M. (2015). Multi-distance and fuzzy similarity-based fuzzy TOPSIS. *Studies in Computational Intelligence, Computational Intelligence, Revised and Selected Papers of the International Joint Conference, IJCCI 2013, Vilamoura, Portugal, September 20-22, 2013 Volume 613, 2015*, pp. 227-244.
47. Luukka P., Fedrizzi M., Collan M. (2015). Consensus modeling under fuzziness – a dynamic approach with random iterative steps. In : Pedrycz W., Chen S-M (Eds.): *Granular Computing and Decision Making: Interactive and Iterative Approaches*, Studies in Big Data, vol. 10, Springer, Berlin, pp. 195-218.
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- Developments in the Ordered Weighted Averaging Operators: Theory and Practice*, Springer Verlag, Heidelberg, pp. 255-267.
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