

**EUROPEAN FORMAT  
CURRICULUM VITAE**



**CURRICULUM VITAE ET STUDIORUM  
DAVIDE PETTURITI**

**PERSONAL INFORMATION**

Name and surname	<b>DAVIDE PETTURITI</b>
Address (inst.)	Department of Economics, Via Pascoli 20, 06123 Perugia, Italy
Phone (inst.)	(+39)0755855218
Fax (inst.)	(+39)0755855456
E-mail (inst.)	davide.petturiti@unipg.it

**ACADEMIC CAREER**

November 2019 – Today	<b>Associate Professor</b> Mathematical Methods for Economics, Finance and Actuarial Sciences (S.S.D. SECS-S/06) Department of Economics, University of Perugia
November 2016 – November 2019	<b>Assistant Professor (RTD-b)</b> Mathematical Methods for Economics, Finance and Actuarial Sciences (S.S.D. SECS-S/06) Department of Economics, University of Perugia
June 2015 – November 2016	<b>Assistant Professor (RTD-a)</b> Probability and Mathematical Statistics (S.S.D. MAT/06) Department of Mathematics and Computer Science, University of Perugia
June 2014 – June 2015	<b>Post-Doc</b> Probability and Mathematical Statistics (S.S.D. MAT/06) Department of Mathematics and Computer Science, University of Perugia
June 2013 – May 2014	<b>Post-Doc</b> Probability and Mathematical Statistics (S.S.D. MAT/06) Department of Basic and Applied Sciences for Engineering, “La Sapienza” University of Rome

**ITALIAN NATIONAL SCIENTIFIC  
QUALIFICATIONS**

7 May 2021	Qualified to function as <b>Full Professor</b> in Mathematical Analysis, Probability and Mathematical Statistics (S.C. 01/A3 – S.S.D. MAT/06)
23 April 2020	Qualified to function as <b>Full Professor</b> in Mathematical Methods for Economics, Finance and Actuarial Sciences (S.C. 13/D4)

**INSTITUTIONAL RESPONSIBILITIES**

Since 2023	Coordinator of the Research Commission of the Department of Economics, University of Perugia
Since 2023	Member of the Council of the Department of Economics, University of Perugia
Since 2021	Delegate for the Department of Economics in the board of the Research Center in applied mathematics “Lamberto Cesari”, University of Perugia
Since 2019	Member of the teaching board of the Ph.D. Program in Ethics of Communication, Scientific Research and Technological Innovation, Department of Philosophy, social sciences and education, University of Perugia

<b>EDUCATION</b>	
15 January 2013	<b>Ph.D. in Mathematics and Computer Science for Information and Knowledge Treatment</b> University of Perugia Thesis: <i>“Coherent Conditional Possibility Theory and Possibilistic Graphical Modeling in a Coherent Setting”</i> Evaluation: Excellent
8 September 2009	<b>M.Sc. in Computer Science</b> University of Perugia Evaluation: Summa cum laude
20 September 2007	<b>B.Sc. in Computer Science</b> University of Perugia Evaluation: Summa cum laude
<b>SCIENTIFIC SCHOOLS</b>	
26 – 31 May 2014	European Multiple Criteria Decision Aiding (MCDA) Spring School “Multiple criteria decision making: a key for sustainability”, Perugia, Italy
17– 19 September 2009	7th International School on “Reasoning under Partial Knowledge”, Foligno, Italy
<b>MEMBER AND COORDINATOR OF RESEARCH PROJECTS</b>	
Since 2010	Member of 12 research projects funded by University of Perugia, GNAMPA INdAM, Deutsche Forschungsgemeinschaft (DFG), Fondation Maison des Sciences de l’Homme (FMSH) and Villa Vigoni, Italian Ministry of Health, “La Sapienza” University of Rome, Italian Ministry of Education, University and Research
Since December 2019 (24 months)	Coordinator: <i>“Models for economic and financial decisions under ambiguity and imprecision”</i> Funded by University of Perugia
Since March 2015 (12 months)	Coordinator: <i>“Conditional probability envelopes and their applications to statistics and artificial intelligence”</i> Funded by GNAMPA INdAM
<b>RESEARCH PERIODS ABROAD</b>	
12 – 25 February 2023 (14 days)	Laboratoire d’Informatique de Paris 6 (LIP6), Sorbonne Université, Paris, France
1 – 10 May 2015 (10 days)	Laboratoire d’Informatique de Paris 6 (LIP6), Université Pierre et Marie Curie (PARIS 6), Paris, France
February – June 2012 (5 months)	Laboratoire d’Informatique de Paris 6 (LIP6), Université Pierre et Marie Curie (PARIS 6), Paris, France
March – June 2011 (4 months)	Institute of Information Theory and Automation (UTIA), Academy of Sciences of the Czech Republic (AV ČR), Prague, Czech Republic
<b>INVITED TALKS AND TALKS IN CONFERENCES (LAST 5 YEARS)</b>	
Since 2010	<b>Plenary speaker:</b> <ul style="list-style-type: none"> <li>• 2019: Festa di Scienza e Filosofia – Virtute e Canoscenza, Foligno,</li> </ul>

	<p><b>Italy</b></p> <ul style="list-style-type: none"> <li>• <b>2017: Workshop Rationalité et raisonnement, IPC – Facultés Libres de Philosophie et de Psychologie, Paris, France</b></li> </ul> <p><b>Speaker in more than 30 international conferences: last 5 years are reported below</b></p>
20 – 22 April 2023	<p><i>24th Workshop on Quantitative Finance (QFW 2023)</i>, Gaeta, Italy</p> <p>Paper (<u>long talk</u>): “A dynamic Choquet pricing rule with bid-ask spreads under Dempster-Shafer uncertainty” (Co-authors: A. Cinfrignini, B. Vantaggi)</p>
11 – 15 July 2022	<p><i>19th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2022)</i>, Milan, Italy</p> <p>Paper: “A Discussion about Independence and Correlation in the Framework of Coherent Lower Conditional Probability” (Co-authors: G. Coletti, S. Latini)</p>
11 – 15 July 2022	<p><i>19th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2022)</i>, Milan, Italy</p> <p>Paper: “A Discussion about Independence and Correlation in the Framework of Coherent Lower Conditional Probability” (Co-authors: G. Coletti, S. Latini)</p>
1 – 4 July 2022	<p><i>12th Workshop on Uncertainty Processing (WUPES 2022)</i>, Kutná Hora, Czech Republic</p> <p>Paper: “A look to independence under <math>\\$T\\$</math>-conditional possibility” (Co-authors: G. Coletti, B. Vantaggi)</p>
21 – 24 September 2021	<p><i>16th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2021)</i>, Prague, Czech Republic (Virtual Conference)</p> <p>Paper: “Dempster-Shafer Approximations and Probabilistic Bounds in Statistical Matching” (Co-authors: B. Vantaggi)</p>
1 – 3 September 2021	<p><i>2nd Workshop on The Mathematics of Subjective Probability (MSP 2021)</i>, Milan, Italy (Virtual Conference)</p> <p>Paper: “Assessing coherent beliefs: notions of coherence in Dempster-Shafer theory” (Co-authors: B. Vantaggi)</p>
6 – 9 July 2021	<p><i>12th International Symposium on Imprecise Probability: Theories and Applications (ISIPTA 2021)</i>, Granada, Spain (Virtual Conference)</p> <p>Paper: “Betting Schemes for Assessing Coherent Numerical and Comparative Conditional Possibilities” (Co-authors: B. Vantaggi)</p>
15 – 19 July 2020	<p><i>18th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2020)</i>, Lisbon, Portugal (Virtual Conference)</p> <p>Articolo presentato: “Dynamic Portfolio Selection Under Ambiguity in the <math>\epsilon</math>-Contaminated Binomial Model” (Co-authors: P. Antonini, B. Vantaggi)</p>
9 – 11 September 2019	<p><i>43rd Italian Conference of the Association for Mathematics Applied to Economics and Social Sciences (AMASES 2019)</i>, Perugia, Italy</p> <p>Paper: “Conditional preferences on generalized Anscombe-Aumann acts” (Co-authors: B. Vantaggi)</p>
30 June – 6 July 2019	<p><b>Invited speaker</b> at the <i>19th Annual SAET Conference (SAET 2019)</i>, Ischia, Italy</p> <p>Paper: “Finite additivity to cope with decisions on generalized Anscombe-Aumann acts under different scenarios” (Co-authors: B. Vantaggi)</p>
23 – 26 June 2019	<p><i>30th European Conference on Operational Research (EURO 2019)</i>, Dublin, Ireland</p> <p>Paper: “Decisions on generalized Anscombe-Aumann acts under possibly unexpected scenarios” (Co-authors: G. Coletti, B. Vantaggi)</p>
17 – 20 June 2019	<p><b>Invited speaker</b> at the <i>2nd Italian Meeting on Probability and Mathematical Statistics</i>, Vietri sul Mare, Italy</p>

	Articolo presentato: "Decisions under different scenarios in a finitely additive framework" (Co-authors: B. Vantaggi)
17 – 21 September 2018	<i>5th International Conference on Belief Functions (BELIEF 2018) and 9th International Conference on Soft Methods in Probability and Statistics (SMPS 2018)</i> , Compiègne, France Paper: "Characterization of conditional submodular capacities: Coherence and extension" (Co-authors: G. Coletti, B. Vantaggi)
13 – 15 September 2018	<i>42nd Italian Conference of the Association for Mathematics Applied to Economics and Social Sciences (AMASES 2018)</i> , Cagliari, Italy Paper: "Conditional submodular coherent risk measures" (Co-authors: G. Coletti, B. Vantaggi)
3 – 5 September 2018	<i>1st Workshop on The Mathematics of Subjective Probability (MSP 2018)</i> , Milan, Italy Paper: "Decisions on generalized Anscombe-Aumann acts under possibly "unexpected" scenarios" (Co-authors: G. Coletti, B. Vantaggi)
11 – 15 June 2018	<i>17th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2018)</i> , Cádiz, Spain Paper: "Conditional submodular coherent risk measures" (Co-authors: G. Coletti, B. Vantaggi)
<b>PH.D. COURSES (LAST 5 YEARS)</b>	
A.Y. 2022-23	<b><i>AI models for reasoning under partial knowledge: from theory to applications</i></b> (in English), series of 3 seminars of doctoral level, Sorbonne Center for Artificial Intelligence, Sorbonne Université, Paris, France
A.Y. 2019-20, 2020-21, 2021-22, 2022-23	<b><i>Game Theory</i></b> (in English), Ph.D. Program in Economics, Department of Economics, University of Perugia
A.Y. 2019-20, 2020-21, 2021-22, 2022-23	<b><i>Social Choice Theory</i></b> (in English), Ph.D. Program in Ethics of Communication, Scientific Research and Technological Innovation, Department of Philosophy, social sciences and education, University of Perugia
<b>TEACHING ACTIVITIES (LAST 5 YEARS)</b>	
A.Y. 2022-23	<b><i>Python lab</i></b> (in English), Master degree in Finance and Quantitative Methods for Economics, Department of Economics, University of Perugia
A.Y. 2018-19, 2019-20, 2020-21, 2021-22, 2022-23	<b><i>Asset Pricing</i></b> (formerly <b><i>Mathematical models for financial markets</i></b> ) (in English), Master degree in Finance and Quantitative Methods for Economics, Department of Economics, University of Perugia
A.Y. 2018-19, 2019-20, 2020-21, 2021-22, 2022-23	<b><i>Calculus</i></b> , Bachelor degree in Business Administration, Department of Economics, University of Perugia
<b>SCIENTIFIC MEMBERSHIPS</b>	
	SAET – Society for the Advancement of Economic Theory EMS – European Mathematical Society GNAMPA INdAM – National Group for Mathematical Analysis, Probability and Applications of the Italian National Institute of Higher Mathematics "Francesco Severi" EURO WG MCDA – EURO Working Group on Multicriteria Decision Aiding EUSFLAT – European Society for Fuzzy Logic and Technology AMASES – Italian Association for Mathematics Applied to Economics and Social Sciences

<b>REVIEWER ACTIVITIES</b>	<p>Artificial Intelligence Review  Advances in Data Analysis and Classification  Annals of Operations Research  Decisions in Economics and Finance  Expert Systems with Applications  Fuzzy Sets and Systems  IEEE Transactions on Fuzzy Systems  International Journal of Approximate Reasoning  International Journal of Information Technology &amp; Decision Making  International Journal of General Systems  Künstliche Intelligenz – German Journal of Artificial Intelligence  Soft Computing  Statistical Methods &amp; Applications</p>
<b>EDITORIAL AND ORGANIZATION ACTIVITIES</b>	<p><b>EDITORIAL ACTIVITIES</b></p> <ol style="list-style-type: none"> <li>1. Editor (with D. Ciucci, I. Couso, J. Medina, D. Ślęzak, B. Bouchon-Meunier, R.R. Yager) of the volumes “Information Processing and Management of Uncertainty in Knowledge-Based Systems: PART 1 and 1”, CCIS 1601 and 1602, Springer, 2022</li> <li>2. Guest Editor (with A. Capotorti and B. Vantaggi) of the Special Issue “Reasoning under Partial Knowledge” in International Journal of Approximate Reasoning</li> </ol>
<b>ORGANIZATION ACTIVITIES</b>	<ol style="list-style-type: none"> <li>1. Publication Chair of the 19th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2022), 11-15 July 2022, Milan, Italy</li> <li>2. Co-organizer of the special sessions: <ul style="list-style-type: none"> <li>• “Dynamic decisions under uncertainty and imprecision” in the 47th AMASES MEETING (AMASES 2023), 20-22 September 2023, Milano, Italy</li> <li>• “Beliefs, risk and uncertainty in economics” in the 46th AMASES MEETING (AMASES 2022), 22-24 September 2022, Palermo, Italy</li> <li>• “Beliefs, risk and uncertainty in artificial intelligence” in the 14th International Conference of the ERCIM WG on Computational and Methodological Statistics (CFE-ERCIM 2021), 18-20 December 2021, London, UK</li> <li>• “Modeling uncertainty and vagueness in decision making and economics” in the 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (CFE-ERCIM 2020), 19-21 December 2020, London, UK</li> <li>• “Decision making, uncertainty and imprecision” in the 43rd AMASES MEETING (AMASES 2019), 9-11 September 2019, Perugia, Italy</li> <li>• “Decision Making under Imprecise and Vague Information” in the 30th European Conference on Operational Research (EURO 2019), 23-26 June 2019, Dublin, Ireland</li> <li>• “Uncertainty and vagueness for decision modelling” in the 42nd AMASES MEETING (AMASES 2018), 13-15 September 2018, Naples, Italy</li> <li>• “Decision models under vague and imprecise information” in the 41st AMASES MEETING (AMASES 2017), 14-16 September 2017, Cagliari, Italy</li> <li>• “de Finetti’s heritage in uncertainty and decision making” in the 30th International Conference on Industrial, Engineering, Other</li> </ul> </li> </ol>

	<p>Applications of Applied Intelligent Systems (IEA/AIE 2017), 27-30 June 2017, Arras, France</p> <ol style="list-style-type: none"> <li>1. Member of the Program Committee: <ul style="list-style-type: none"> <li>• 26th European Conference on Artificial Intelligence (ECAI 2023), 30 September-5 October 2023, Kraków, Poland</li> <li>• 17th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2023), 19-22 September 2023, Arras, France</li> <li>• 13th International Symposium on Imprecise Probability: Theories and Applications (ISIPTA 2023), 11-14 July 2023, Oviedo, Spain</li> <li>• 16th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2021), 21-24 September 2021, Prague, Czech Republic</li> <li>• 12th International Symposium on Imprecise Probability: Theories and Applications (ISIPTA 2021), 6-9 July 2021, Granada, Spain</li> <li>• 18th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2020), 15-19 June 2020, Lisbon, Portugal</li> <li>• 24th European Conference on Artificial Intelligence (ECAI 2020), 8-12 June 2020, Santiago de Compostela, Spain</li> <li>• 15th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2019), 18-20 September 2019, Belgrad, Serbia</li> <li>• 11th International Symposium on Imprecise Probability: Theories and Applications (ISIPTA 2019), 3-6 July 2019, Ghent, Belgium</li> <li>• 14th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2017), 10-14 July 2017, Lugano, Switzerland</li> </ul> </li> <li>2. Member of the Organizing Committee of the Conferences: <ul style="list-style-type: none"> <li>• AMASES 2019, 9-11 September 2019, Perugia, Italy</li> <li>• Reasoning Under Partial Knowledge – Conference in honor of Giulianella Coletti's 70th birthday, 14-15 December 2018, Perugia-Foligno, Italy</li> <li>• Conference INdAM Day, 8 June 2016, Perugia, Italy</li> </ul> </li> </ol>
<b>BIBLIOMETRICS (SCOPUS)</b>	
	<p>Citations: 318 H-index: 11</p>
<b>PUBLICATIONS</b>	
<b>Since 2010</b>	<b>Author of 27 papers published in international journals, 23 chapters in books and 15 papers in proceedings: journals and chapters in books are reported below</b>
<b>INTERNATIONAL JOURNALS</b>	<ol style="list-style-type: none"> <li>1. D. Petturiti. <i>A subjective interpretation of Liu-Liu's credibility measures and expectations</i>. <b>Fuzzy Optimization and Decision Making</b>, Accepted for publication, 2023.</li> <li>2. A. Cinfrignini, D. Petturiti and B. Vantaggi. Envelopes of equivalent martingale measures and a generalized no-arbitrage principle in a finite setting. <b>Annals of Operations Research</b>, 321:03–137, 2023.</li> <li>3. D. Petturiti and B. Vantaggi. The extent of partially resolving uncertainty in assessing coherent conditional plausibilities. <b>Fuzzy Sets</b></li> </ol>

- and Systems**, 458: 26-49, 2023.
4. D. Petturiti and B. Vantaggi. Probability envelopes and their Dempster-Shafer approximations in statistical matching. **International Journal of Approximate Reasoning**, 150:199–222, 2022.
  5. D. Petturiti and B. Vantaggi. Conditional decisions under objective and subjective ambiguity in Dempster-Shafer theory. **Fuzzy Sets and Systems**, 447:155–181, 2022.
  6. G. Coletti, D. Petturiti, and B. Vantaggi. A Dutch book coherence condition for conditional completely alternating Choquet expectations. **Bollettino dell'Unione Matematica Italiana**, 13:585–593, 2020.
  7. D. Petturiti and B. Vantaggi. Modeling agent's conditional preferences under objective ambiguity in Dempster-Shafer theory. **International Journal of Approximate Reasoning**, 119:151–176, 2020.
  8. G. Coletti, L.C. van der Gaag, D. Petturiti, and B. Vantaggi. Detecting Correlation Between Extreme Probability Events. **International Journal of General Systems**, 49(1):64–87, 2020.
  9. G. Coletti, D. Petturiti, and B. Vantaggi. Dutch book rationality conditions for conditional preferences under ambiguity. **Annals of Operations Research**, 279:115–150, 2019.
  10. D. Petturiti and B. Vantaggi. Conditional submodular Choquet expected values and conditional coherent risk measures. **International Journal of Approximate Reasoning**, 113:14–38, 2019.
  11. G. Coletti, D. Petturiti, and B. Vantaggi. Models for pessimistic or optimistic decisions under different uncertain scenarios. **International Journal of Approximate Reasoning**, 105:305–326, 2019.
  12. D. Petturiti and B. Vantaggi. Upper and lower conditional probabilities induced by a multivalued mapping. **Journal of Mathematical Analysis and Applications**, 458(2):1214–1235, 2018.
  13. G. Coletti, D. Petturiti, and B. Vantaggi. Fuzzy memberships as likelihood functions in a possibilistic framework. **International Journal of Approximate Reasoning**, 88:547–566, 2017.
  14. D. Petturiti and B. Vantaggi. Envelopes of conditional probabilities extending a strategy and a prior probability. **International Journal of Approximate Reasoning**, 81:160–182, 2017.
  15. G. Coletti, D. Petturiti, and B. Vantaggi. When upper conditional probabilities are conditional possibility measures. **Fuzzy Sets and Systems**, 304:45–64, 2016.
  16. G. Coletti and D. Petturiti. Finitely maxitive T-conditional possibility theory: Coherence and extension. **International Journal of Approximate Reasoning**, 71:64–88, 2016.
  17. G. Coletti, D. Petturiti, and B. Vantaggi. Conditional belief functions as lower envelopes of conditional probabilities in a finite setting. **Information Sciences**, 339:64–84, 2016.
  18. G. Coletti and D. Petturiti. Finitely maxitive conditional possibilities, Bayesian-like inference, disintegrability and conglomerability. **Fuzzy Sets and Systems**, 284:31–55, 2016.
  19. G. Coletti, D. Petturiti, and B. Vantaggi. Rationality principles for preferences on belief functions. **Kybernetika**, 51(3):486–507, 2015.
  20. C. Marsala and D. Petturiti. Rank Discrimination Measures for Enforcing Monotonicity in Decision Tree Induction. **Information Sciences**, 291:143–171, 2015.
  21. G. Coletti, D. Petturiti, and B. Vantaggi. Bayesian inference: the role of coherence to deal with a prior belief function. **Statistical Methods and Applications**, 23(4):519–545, 2014.
  22. G. Busanello and D. Petturiti. DAG representation of asymmetric independence models arising in coherent conditional possibility

	<p>theory. <b>Fuzzy Sets and Systems</b>, 250:1–24, 2014.</p> <p>23. G. Coletti, D. Petturiti, and B. Vantaggi. Possibilistic and probabilistic likelihood functions and their extensions: Common features and specific characteristics. <b>Fuzzy Sets and Systems</b>, 250:25–51, 2014.</p> <p>24. D. Petturiti. Asymmetric decomposability and perseggram representation in coherent conditional probability theory. <b>Soft Computing</b>, 17(11):2131-2145, 2013.</p> <p>25. M. Baiioletti, G. Coletti, D. Petturiti, and B. Vantaggi. Inferential models and relevant algorithms in a possibilistic framework. <b>International Journal of Approximate Reasoning</b>, 52(5):580–598, 2011.</p> <p>26. M. Baiioletti and D. Petturiti. Algorithms for possibility assessments: Coherence and extension. <b>Fuzzy Sets and Systems</b>, 169(1):1–25, 2011.</p> <p>27. S. Costantini, A. Formisano, and D. Petturiti. Extending and implementing RASP. <b>Fundamenta Informaticae</b>, 105(1-2):1–33, 2010.</p>
<p>CHAPTERS IN BOOKS</p>	<ol style="list-style-type: none"> <li>1. D. Petturiti and B. Vantaggi. How to assess coherent beliefs: A comparison of different notions of coherence in Dempster-Shafer theory of evidence. In: T. Augustin, F. Cozman, and G. Wheeler (Eds.), <i>Reflections on the Foundations of Probability and Statistics: Essays in Honor of Teddy Seidenfeld</i>, Volume 54 of <b>Theory and Decision Library A</b>, Springer, In press, 2022.</li> <li>2. G. Stabile, D. Petturiti, and B. Vantaggi. Addressing Ambiguity in Randomized Reinsurance Contracts Using Belief Functions. In: S. Le Hégarat-Masclé, I. Bloch, E. Aldea (Eds.), <i>Belief Functions: Theory and Applications</i>, Volume 13506 of <b>Lecture Notes in Computer Science</b>, Springer, pp. 286–296, 2022.</li> <li>3. A. Cinfrignini, D. Petturiti, and B. Vantaggi. Markov and Time-Homogeneity Properties in Dempster-Shafer Random Walks. In: D. Ciucci, I. Couso, J. Medina, D. Ślęzak, D. Petturiti, B. Bouchon-Meunier, R.R. Yager (Eds.), <i>Information Processing and Management of Uncertainty in Knowledge-Based Systems</i>, Volume 1601 of <b>Communications in Computer and Information Science</b>, Springer, pp. 784-797, 2022.</li> <li>4. G. Coletti, S. Latini, and D. Petturiti. A Discussion About Independence and Correlation in the Framework of Coherent Lower Conditional Probability. In: D. Ciucci, I. Couso, J. Medina, D. Ślęzak, D. Petturiti, B. Bouchon-Meunier, R.R. Yager (Eds.), <i>Information Processing and Management of Uncertainty in Knowledge-Based Systems</i>, Volume 1601 of <b>Communications in Computer and Information Science</b>, Springer, pp. 770-783, 2022.</li> <li>5. D. Petturiti and B. Vantaggi. Dempster-Shafer Approximations and Probabilistic Bounds in Statistical Matching. In: J. Vejnarová, N. Wilson (Eds.), <i>Symbolic and Quantitative Approaches to Reasoning with Uncertainty. ECSQARU 2021</i>, Volume 12897 of <b>Lecture Notes in Computer Science</b>, Spinger, pp. 367-380, 2021.</li> <li>6. P. Antonini, D. Petturiti, and B. Vantaggi. Dynamic Portfolio Selection Under Ambiguity in the <math>\epsilon</math>-Contaminated Binomial Model. In: M.-J. Lesot, S. Vieira, M.Z. Reformat, J.P. Carvalho, A. Wilbik, B. Bouchon-Meunier, R.R. Yager (Eds.), <i>Information Processing and Management of Uncertainty in Knowledge-Based Systems</i>, Volume 1238 of <b>Communications in Computer and Information Science</b>, Springer, pp. 210-223, 2020.</li> <li>7. G. Coletti, D. Petturiti, and B. Bouchon-Meunier. A Measurement Theory Characterization of a Class of Dissimilarity Measures for Fuzzy Description Profiles. In: M.-J. Lesot, S. Vieira, M.Z. Reformat, J.P. Carvalho, A. Wilbik, B. Bouchon-Meunier, R.R. Yager (Eds.), <i>Information Processing and Management of Uncertainty in</i></li> </ol>



- Knowledge-Based Systems, Volume 1238 of **Communications in Computer and Information Science**, Springer, pp. 258-268, 2020.
8. G. Coletti, D. Petturiti, and B. Vantaggi. Characterization of Conditional Submodular Capacities: Coherence and Extension. In: S. Destercke, T. Denoeux, M. Gil, P. Grzegorzewski, O. Hryniewicz (Eds.), *Uncertainty Modelling in Data Science*, Volume 832 of **Advances in Intelligent Systems and Computing**, Springer, pp. 33-41, 2019.
  9. G. Coletti, D. Petturiti, and B. Vantaggi. Conditional Submodular Coherent Risk Measures. In: J. Medina, M. Ojeda-Aciego, J.L. Verdegay, D.A. Pelta, I.P. Cabrera, B. Bouchon-Meunier, R.R. Yager (Eds.), *Information Processing and Management of Uncertainty in Knowledge-Based Systems. Theory and Foundations*, Volume 854 of **Communications in Computer and Information Science**, Springer, pp. 239-250, 2018.
  10. G. Coletti, D. Petturiti, and B. Vantaggi. Fuzzy Weighted Attribute Combinations Based Similarity Measures. In: A. Antonucci, L. Cholvy and O. Papini (Eds.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, Volume 10369 of **Lecture Notes in Artificial Intelligence**, Springer, pp. 364-374, 2017.
  11. G. Coletti, D. Petturiti, and B. Vantaggi. Interval-based possibilistic logic in a coherent setting. In: S. Benferhat, K. Tabia and M. Ali (Eds.), *Advances in Artificial Intelligence: From Theory to Practice*, Volume 10351 of **Lecture Notes in Artificial Intelligence**, Springer, pp. 75-84, 2017.
  12. J. Baratgin, G. Coletti, F. Jamet, and D. Petturiti. Experimental evaluation of the understanding of qualitative probability and probabilistic reasoning in young children. In: S. Benferhat, K. Tabia and M. Ali (Eds.), *Advances in Artificial Intelligence: From Theory to Practice*, Volume 10351 of **Lecture Notes in Artificial Intelligence**, Springer, pp. 107-112, 2017.
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