

Publication list

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This list groups the set of all my publications, as well as invited plenary talks in conferences and researcher schools. Editorial works include conference proceedings as well as journal special issues. The list also differentiates conferences by their selectivity, as selective conferences in Machine Learning and Artificial Intelligence such (ECML, ICML, ECAI, IJCAI, UAI, NeurIPS, AAAI, AISTATS, ...) are as hard to get as journals.

Editorial work (10)

- [1] S. Destercke, D. Mercier, and F. Pichon, “Special issue from the 5th international conference on belief functions (belief 2018),” *International Journal of Approximate Reasoning*, vol. 117, pp. 50 – 51, 2020.
- [2] A. Antonucci, G. Corani, I. Couso, and S. Destercke, “Isipta 2017 conference special issue,” *Int. J. of Approximate Reasoning*, vol. 111, 2019.
- [3] S. Destercke, T. Denoeux, M. A. Gil, P. Grzegorzewski, and O. Hryniewicz, eds., *Uncertainty Modelling in Data Science, SMPS 2018, Compiègne, France, 17-21 September 2018*, vol. 832 of *Advances in Intelligent Systems and Computing*, Springer, 2019.
- [4] S. Destercke, T. Denoeux, F. Cuzzolin, and A. Martin, eds., *Belief Functions: Theory and Applications - 5th International Conference, BELIEF 2018, Compiègne, France, September 17-21, 2018, Proceedings*, vol. 11069 of *Lecture Notes in Computer Science*, Springer, 2018.
- [5] A. Antonucci, G. Corani, I. Couso, and S. Destercke, eds., *Proceedings of the Tenth International Symposium on Imprecise Probability: Theories and Applications, Lugano, Switzerland, 10-14 July 2017*, vol. 62 of *Proceedings of Machine Learning Research*, PMLR, 2017.
- [6] S. Destercke, “Ecsqaru 2015 conference special issue,” *Int. J. of Approximate Reasoning*, vol. 80, 2015.
- [7] S. Destercke and T. Denoeux, eds., *Symbolic and Quantitative Approaches to Reasoning with Uncertainty - 13th European Conference, ECSQARU 2015, Compiègne, France, July 15-17, 2015. Proceedings*, vol. 9161 of *Lecture Notes in Computer Science*, Springer, 2015.

- [8] C. Fabio, S. Destercke, and S. Teddy, “Isipta 2013 conference special issue,” *Int. J. of Approximate Reasoning*, vol. 56, 2015.
- [9] F. Cozman, T. Denœux, S. Destercke, and T. Seidenfeld, eds., *ISIPTA’13: Proceedings of the Seventh International Symposium on Imprecise Probability: Theories and Applications*, (Compiègne), SIPTA, 2013.
- [10] S. Destercke, M. Masson, and B. Quost, “Belief 2012 conference special issue,” *Int. J. of Approximate Reasoning*, vol. 55, 2014.

Books and book chapters (3)

- [11] S. Destercke and D. Dubois, *An introduction to Imprecise Probabilities*, ch. Special cases. Wiley, 2014.
- [12] S. Destercke and D. Dubois, *An introduction to Imprecise Probabilities*, ch. Other uncertainty theories based on capacities. Wiley, 2014.
- [13] P. Buche, S. Destercke, V. Guillard, O. Haemmerlé, R. Thomopoulos, *et al.*, “Springer series ’studies in computational intelligence,” vol. 497, 2014.

Invited lectures (7)

- [14] S. Destercke, “Belief functions and boolean inference: basics, computational challenges and applications.” Invited lecture at Belief Function Spring School 2019, Siena, Italy.
- [15] S. Destercke, “Possibility theory: from basics to statistical learning.” Invited lecture at European Summer School on Fuzzy Logic and Applications 2018, Bari, Italy.
- [16] S. Destercke, “Belief functions.” Invited lecture at SIPTA Summer school 2018, Spain.
- [17] S. Destercke, “Epistemic uncertainty propagation in risk/reliability analysis.” Invited lecture at Frédéric Joliot & Otto Hahn summer school 2017, Germany.
- [18] S. Destercke, “Belief functions and uncertainty theories.” Invited lecture at Belief Function Spring School 2017, France.
- [19] S. Destercke, “Uncertainty theories: an introduction.” Invited tutorial to EC-SQARU 2013, Utrecht, Netherlands.
- [20] S. Destercke, “Uncertainty theories: an introduction.” Invited tutorial to SUM 2012, Marburg, Germany.

Peer-reviewed journal publications (52)

- [21] M.-H. Masson, B. Quost, and S. Destercke, “Cautious relational clustering: A thresholding approach,” *Expert Systems with Applications*, vol. 139, p. 112837, 2020.
- [22] S. Destercke, F. Pichon, and J. Klein, “From set relations to belief function relations,” *International Journal of Approximate Reasoning*, vol. 110, pp. 46–63, 2019.
- [23] I. Montes, E. Miranda, and S. Destercke, “Pari-mutuel probabilities as an uncertainty model,” *Inf. Sci.*, vol. 481, pp. 550–573, 2019.
- [24] V. Nguyen, S. Destercke, and M. Masson, “Partial data querying through racing algorithms,” *Int. J. Approx. Reasoning*, vol. 96, pp. 36–55, 2018.
- [25] S. Destercke, “A generic framework to include belief functions in preference handling and multi-criteria decision,” *Int. J. Approx. Reasoning*, vol. 98, pp. 62–77, 2018.
- [26] B. Quost and S. Destercke, “Classification by pairwise coupling of imprecise probabilities,” *Pattern Recognition*, vol. 77, pp. 412–425, 2018.
- [27] J. Klein, S. Destercke, and O. Colot, “Idempotent conjunctive and disjunctive combination of belief functions by distance minimization,” *Int. J. Approx. Reasoning*, vol. 92, pp. 32–48, 2018.
- [28] I. Montes and S. Destercke, “On extreme points of p-boxes and belief functions,” *Annals of Mathematics and Artificial Intelligence*, 2017.
- [29] I. Montes and S. Destercke, “Comonotonicity for sets of probabilities,” *Fuzzy Sets and Systems*, 2017.
- [30] N. B. Abdallah, S. Destercke, and M. Sallak, “Easy and optimal queries to reduce set uncertainty,” *European Journal of Operational Research*, vol. 256, no. 2, pp. 592–604, 2017.
- [31] G. Yang, S. Destercke, and M.-H. Masson, “The costs of indeterminacy: How to determine them?,” *IEEE Transactions on Cybernetics*, 2017.
- [32] S. Destercke, “On the median in imprecise ordinal problems,” *Annals of Operations Research*, vol. 256, no. 2, pp. 375–392, 2017.
- [33] G. Yang, S. Destercke, and M.-H. Masson, “Cautious classification with nested dichotomies and imprecise probabilities,” *Soft Computing*, pp. 1–16, 2016.

- [34] C. Baudrit, S. Destercke, and P. Wuillemin, “Unifying parameter learning and modelling complex systems with epistemic uncertainty using probability interval,” *Inf. Sci.*, vol. 367-368, pp. 630–647, 2016.
- [35] C. Lousteau-Cazalet, A. Barakat, J. P. Belaud, P. Buche, G. Busset, B. Charnomordic, S. Dervaux, S. Destercke, J. Dibie, C. Sablayrolles, and C. Vialle, “A decision support system for eco-efficient biorefinery process comparison using a semantic approach,” *Computers and Electronics in Agriculture*, vol. 127, pp. 351–367, 2016.
- [36] J. Klein, S. Destercke, and O. Colot, “Interpreting evidential distances by connecting them to partial orders: Application to belief function approximation,” *Int. J. Approx. Reasoning*, vol. 71, pp. 15–33, 2016.
- [37] A. M. Palacios, L. Sánchez, I. Couso, and S. Destercke, “An extension of the FURIA classification algorithm to low quality data through fuzzy rankings and its application to the early diagnosis of dyslexia,” *Neurocomputing*, vol. 176, pp. 60–71, 2016.
- [38] L. Ma, S. Destercke, and Y. Wang, “Online active learning of decision trees with evidential data,” *Pattern Recognition*, vol. 52, pp. 33–45, 2016.
- [39] M.-H. Masson, S. Destercke, and T. Denoeux, “Modelling and predicting partial orders from pairwise belief functions,” *Soft Computing*, vol. 20, no. 3, pp. 939–950, 2016.
- [40] V. Guillard, P. Buche, S. Destercke, N. Tamani, M. Croitoru, L. Menut, C. Guillaume, and N. Gontard, “A decision support system to design modified atmosphere packaging for fresh produce based on a bipolar flexible querying approach,” *Computers and Electronics in Agriculture*, vol. 111, pp. 131–139, 2015.
- [41] S. Destercke, M. Masson, and M. Poss, “Cautious label ranking with label-wise decomposition,” *European Journal of Operational Research*, vol. 246, no. 3, pp. 927–935, 2015.
- [42] S. Destercke, “Multilabel predictions with sets of probabilities: The hamming and ranking loss cases,” *Pattern Recognition*, vol. 48, no. 11, pp. 3757–3765, 2015.
- [43] E. Miranda, M. C. Troffaes, and S. Destercke, “A geometric and game-theoretic study of the conjunction of possibility measures,” *Information Sciences*, vol. 298, pp. 373–389, 2015.
- [44] F. Pichon, S. Destercke, and T. Burger, “A consistency-specificity trade-off to select source behavior in information fusion,” *IEEE Trans. on Syst., Men and Cyb.*, vol. 45, no. 4, pp. 598–609, 2015.

- [45] E. Miranda and S. Destercke, "Extreme points of the credal sets generated by comparative probabilities," *Journal of Mathematical Psychology*, vol. 64, pp. 44–57, 2015.
- [46] S. Destercke and I. Couso, "Ranking of fuzzy intervals seen through the imprecise probabilistic lens," *Fuzzy Sets and Systems*, vol. 278, pp. 20–39, 2015.
- [47] S. Destercke, "Comments on "a distance-based statistical analysis of fuzzy number-valued data" by the {SMIRE} research group," *International Journal of Approximate Reasoning*, vol. 55, no. 7, pp. 1575 – 1577, 2014.
- [48] S. Destercke, "Comments on "learning from imprecise and fuzzy observations: Data disambiguation through generalized loss minimization" by eyke hüllermeier," *International Journal of Approximate Reasoning*, vol. 55, no. 7, pp. 1588 – 1590, 2014.
- [49] F. Aguirre, S. Destercke, D. Dubois, M. Sallak, and C. Jacob, "Inclusion-exclusion principle for belief functions," *International Journal of Approximate Reasoning*, vol. 55, no. 8, pp. 1708 – 1727, 2014.
- [50] R. Thomopoulos, S. Destercke, B. Charnomordic, I. Johnson, and J. Abécassis, "An iterative approach to build relevant ontology-aware data-driven models," *Information Sciences*, vol. 221, pp. 452–472, 2013.
- [51] M. Troffaes, E. Miranda, and S. Destercke, "On the connection between probability boxes and possibility measures," *Information Sciences*, vol. 224, pp. 88–108, 2013.
- [52] S. Destercke, P. Buche, and B. Charnomordic, "Evaluating Data Reliability: An Evidential Answer with Application to a Web-Enabled Data Warehouse," *IEEE Transactions on Knowledge and Data Engineering*, vol. 25, no. 1, pp. 92–105, 2013.
- [53] S. Destercke and M. Sallak, "An extension of Universal Generating Function in Multi-State Systems considering epistemic uncertainties.," *IEEE Transactions on Reliability*, vol. 62, pp. 504–514, 2013.
- [54] T. Burger and S. Destercke, "How to randomly generate mass functions.," *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, vol. 21, pp. 645–673, 2013.
- [55] S. Destercke, "Independence and 2-Monotonicity: Nice to Have, Hard to Keep.," *International Journal of Approximate Reasoning*, vol. 54, no. 4, pp. 478–490, 2013.
- [56] S. Destercke and T. Burger, "Toward an Axiomatic Definition of Conflict Between Belief Functions.," *IEEE trans. on systems, man, and cybernetics. Part B*, vol. 43, pp. 585–596, 2013.

- [57] S. Destercke and O. Strauss, “Filtering with clouds,” *Soft Computing*, vol. 16, no. 5, pp. 821–831, 2012.
- [58] S. Destercke, “A K-nearest neighbours method based on imprecise probabilities,” *Soft Computing*, vol. 16, no. 5, pp. 833–844, 2012.
- [59] V. Guillard, C. Guillaume, and S. Destercke, “Parameter uncertainties and error propagation in modified atmosphere packaging modelling,” *Postharvest Biology and Technology*, vol. 67, pp. 154–166, 2012.
- [60] M. Troffaes and S. Destercke, “Probability boxes on totally preordered spaces for multivariate modelling,” *International Journal of Approximate Reasoning*, vol. 52, no. 6, pp. 767–791, 2011.
- [61] S. Destercke and V. Guillard, “Interval analysis on non-linear monotonic systems as an efficient tool to optimise fresh food packaging,” *Computers and Electronics in Agriculture*, vol. 79, no. 2, pp. 116–124, 2011.
- [62] S. Destercke and D. Dubois, “Idempotent conjunctive combination of belief functions: Extending the minimum rule of possibility theory,” *Information Sciences*, vol. 181, no. 18, pp. 3925–3945, 2011.
- [63] S. Destercke, “Handling bipolar knowledge with imprecise probabilities,” *International Journal of Intelligent Systems*, vol. 26, no. 5, pp. 426–443, 2011.
- [64] S. Destercke, P. Buche, and V. Guillard, “A flexible bipolar querying approach with imprecise data and guaranteed results,” *Fuzzy Sets and Systems*, vol. 169, no. 1, pp. 51–64, 2011.
- [65] E. Chojnacki, J. Baccou, and S. Destercke, “Numerical sensitivity and efficiency in the treatment of epistemic and aleatory uncertainty,” *Int. J. of General Systems*, vol. 39, no. 7, pp. 683–704, 2010.
- [66] L. Utkin and S. Destercke, “Computing expectations with continuous p-boxes: Univariate case,” *International Journal of Approximate Reasoning*, vol. 50, no. 5, pp. 778–798, 2009.
- [67] S. Destercke, D. Dubois, and E. Chojnacki, “A consonant approximation of the product of independent consonant random sets,” *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, vol. 17, no. 6, p. 773, 2009.
- [68] S. Destercke, D. Dubois, and E. Chojnacki, “Unifying practical uncertainty representations: I generalized p-boxes,” *Int. J. of Approximate Reasoning*, vol. 49, no. 3, pp. 649–663, 2008.
- [69] S. Destercke, D. Dubois, and E. Chojnacki, “Unifying practical uncertainty representations: II clouds,” *Int. J. of Approximate Reasoning*, vol. 49, no. 3, pp. 664–677, 2008.

- [70] S. Destercke, D. Dubois, and E. Chojnacki, “Possibilistic information fusion using maximal coherent subsets,” *IEEE Trans. on Fuzzy Systems*, vol. 17, no. 1, pp. 79–92, 2008.
- [71] S. Destercke and E. Chojnacki, “Methods for the evaluation and synthesis of multiple sources of information applied to nuclear computer codes,” *Nuclear Engineering and Design*, vol. 238, no. 9, pp. 2484–2493, 2008.
- [72] S. Destercke, S. Guillaume, and B. Charnomordic, “Building an interpretable fuzzy rule base from data using Orthogonal Least Squares: Application to a depollution problem,” *Fuzzy Sets and Systems*, vol. 158, no. 18, pp. 2078–2094, 2007.

**Very selective peer-reviewed conferences (<30% accepted)
(7)**

- [73] C. Labreuche and S. Destercke, “How to handle missing values in multi-criteria decision aiding?,” in *Proceedings of the 28th International Joint Conference on Artificial Intelligence*, pp. 1756–1763, AAAI Press, 2019.
- [74] V. Nguyen, S. Destercke, M. Masson, and E. Hüllermeier, “Reliable multi-class classification based on pairwise epistemic and aleatoric uncertainty,” in *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence, IJCAI 2018, July 13-19, 2018, Stockholm, Sweden.*, pp. 5089–5095, 2018.
- [75] V.-L. Nguyen, S. Destercke, and M.-H. Masson, “Querying partially labelled data to improve a k-nn classifier,” in *Thirty-First AAAI Conference on Artificial Intelligence*, 2017.
- [76] N. B. Abdallah and S. Destercke, “Optimal expert elicitation to reduce interval uncertainty,” in *Proceedings of the Thirty-First Conference on Uncertainty in Artificial Intelligence, UAI 2015, July 12-16, 2015, Amsterdam, The Netherlands*, pp. 12–21, 2015.
- [77] S. Destercke and G. Yang, “Cautious ordinal classification by binary decomposition,” in *Machine Learning and Knowledge Discovery in Databases - European Conference, ECML PKDD 2014, Nancy, France, September 15-19, 2014. Proceedings, Part I*, pp. 323–337, 2014.
- [78] G. Yang, S. Destercke, and M.-H. Masson, “Nested dichotomies with probability sets for multi-class classification,” in *Proceedings of ECAI 2014*, pp. 363–368, 2014.
- [79] S. Destercke, “A pairwise label ranking method with imprecise scores and partial predictions,” in *ECML/PKDD*, pp. 112–127, 2013.

Selective peer-reviewed conferences (between 30% et 60% accepted) (7)

- [80] S. Destercke, “A generic framework to include belief functions in preference handling for multi-criteria decision,” in *European Conference on Symbolic and Quantitative Approaches to Reasoning and Uncertainty*, pp. 179–189, Springer, 2017.
- [81] C. Labreuche, S. Destercke, and B. Mayag, “Elicitation of a utility from uncertainty equivalent without standard gambles,” in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty - 13th European Conference, ECSQARU 2015, Compiègne, France, July 15-17, 2015. Proceedings*, pp. 25–35, 2015.
- [82] F. Pichon, S. Destercke, and T. Burger, “Selecting source behavior in information fusion on the basis of consistency and specificity,” in *ECSQARU*, pp. 473–484, 2013.
- [83] E. Miranda and S. Destercke, “Extreme points of the credal sets generated by elementary comparative probabilities,” in *ECSQARU*, pp. 424–435, 2013.
- [84] S. Destercke, “Independence and 2-monotonicity: nice to have, hard to keep,” in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, pp. 263–274, Springer, 2011.
- [85] S. Destercke and D. Dubois, “Can the Minimum Rule of Possibility Theory Be Extended to Belief Functions?,” in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, pp. 299–310, Springer, 2009.
- [86] S. Destercke, D. Dubois, and E. Chojnacki, “Cautious conjunctive merging of belief functions,” in *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*, pp. 332–343, Springer, 2007.

Other peer-reviewed international conferences (60)

- [87] S. Destercke and S. Lagrue, “On cautiousness and expressiveness in interval-valued logic,” in *Scalable Uncertainty Management - 13th International Conference, SUM 2019, Compiègne, France, December 16-18, 2019, Proceedings*, pp. 280–288, 2019.
- [88] P. Guillot and S. Destercke, “Preference elicitation with uncertainty: Extending regret based methods with belief functions,” in *Scalable Uncertainty Management - 13th International Conference, SUM 2019, Compiègne, France, December 16-18, 2019, Proceedings*, pp. 289–309, 2019.

- [89] E. Hüllermeier, S. Destercke, and I. Couso, “Learning from imprecise data: Adjustments of optimistic and pessimistic variants,” in *Scalable Uncertainty Management - 13th International Conference, SUM 2019, Compiègne, France, December 16-18, 2019, Proceedings*, pp. 266–279, 2019.
- [90] V. Nguyen, S. Destercke, and E. Hüllermeier, “Epistemic uncertainty sampling,” in *Discovery Science - 22nd International Conference, DS 2019, Split, Croatia, October 28-30, 2019, Proceedings*, pp. 72–86, 2019.
- [91] Y. C. C. Alarcon and S. Destercke, “Imprecise gaussian discriminant classification,” in *International Symposium on Imprecise Probabilities: Theories and Applications, ISIPTA 2019, 3-6 July 2019, Thagaste, Ghent, Belgium*, pp. 59–67.
- [92] E. Miranda, I. Montes, and S. Destercke, “A unifying frame for neighbourhood and distortion models,” in *International Symposium on Imprecise Probabilities: Theories and Applications*, pp. 304–313, 2019.
- [93] S. Destercke, F. Pichon, and J. Klein, “From relations between sets to relations between belief functions,” in *Belief Functions: Theory and Applications - 5th International Conference, BELIEF 2018, Compiègne, France, September 17-21, 2018, Proceedings*, pp. 65–72, 2018.
- [94] G. Dendievel, S. Destercke, and P. Wachalski, “Density estimation with imprecise kernels: Application to classification,” in *Uncertainty Modelling in Data Science, SMPS 2018, Compiègne, France, 17-21 September 2018.*, pp. 59–67, 2018.
- [95] V. Nguyen, S. Destercke, and M. Masson, “K-nearest neighbour classification for interval-valued data,” in *Scalable Uncertainty Management - 11th International Conference, SUM 2017, Granada, Spain, October 4-6, 2017, Proceedings*, pp. 93–106, 2017.
- [96] O. Cailloux and S. Destercke, “Reasons and means to model preferences as incomplete,” in *Scalable Uncertainty Management - 11th International Conference, SUM 2017, Granada, Spain, October 4-6, 2017, Proceedings*, pp. 17–30, 2017.
- [97] I. Montes, E. Miranda, and S. Destercke, “A study of the pari-mutuel model from the point of view of imprecise probabilities,” in *Proceedings of the Tenth International Symposium on Imprecise Probability: Theories and Applications*, pp. 229–240, 2017.
- [98] V.-L. Nguyen, S. Destercke, and M.-H. Masson, “Partial data querying through racing algorithms,” in *International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making*, pp. 163–174, 2016.

- [99] Y. Soullard, A. Antonucci, and S. Destercke, “Technical gestures recognition by set-valued hidden markov models with prior knowledge,” in *Soft Methods for Data Science (proceedings of SMPS 2016)*, pp. 455–462, Springer, 2016.
- [100] I. Montes and S. Destercke, “On extreme points of p-boxes and belief functions,” in *Soft Methods for Data Science (proceedings of SMPS 2016)*, pp. 363–371, Springer, 2016.
- [101] Y. Soullard, S. Destercke, and I. Thouvenin, “Co-training with credal models,” in *Artificial Neural Networks in Pattern Recognition - 7th IAPR TC3 Workshop, ANNPR 2016, Ulm, Germany, September 28-30, 2016, Proceedings*, pp. 92–104, 2016.
- [102] J. Klein, S. Destercke, and O. Colot, “Idempotent conjunctive combination of belief functions by distance minimization,” in *Belief Functions: Theory and Applications - 4th International Conference, BELIEF 2016, Prague, Czech Republic, September 21-23, 2016, Proceedings*, pp. 156–163, 2016.
- [103] L. Yu, S. Destercke, M. Sallak, and W. Schön, “Comparing system reliabilities with ill-known probabilities,” in *Information Processing and Management of Uncertainty in Knowledge-Based Systems - 16th International Conference, IPMU 2016, Eindhoven, The Netherlands, June 20-24, 2016, Proceedings, Part II*, pp. 619–629, 2016.
- [104] M. Sallak, S. Destercke, W. Schön, F. Vanderhaegen, D. Berdjag, and C. Simon, “Uncertainty, elicitation of experts’ opinion, and human failures: Challenges for RAM analysis of ERTMS sos,” in *10th System of Systems Engineering Conference, SoSE 2015, San Antonio, TX, USA, May 17-20, 2015*, pp. 88–93, 2015.
- [105] L. Ma, S. Destercke, and Y. Wang, “Evidential likelihood flatness as a way to measure data quality: the multinomial case,” in *2015 Conference of the International Fuzzy Systems Association and the European Society for Fuzzy Logic and Technology (IFSA-EUSFLAT-15), Gijón, Spain., June 30, 2015.*, 2015.
- [106] M. C. M. Troffaes, F. P. A. Coolen, and S. Destercke, “A note on learning dependence under severe uncertainty,” in *IPMU*, pp. 498–507, 2014.
- [107] S. Destercke, “Multilabel prediction with probability sets: The hamming loss case,” in *IPMU*, pp. 496–505, 2014.
- [108] S. Destercke and O. Strauss, “Kolmogorov-smirnov test for interval data,” in *IPMU*, pp. 416–425, 2014.
- [109] N. Sutton-Charani, S. Destercke, and T. Denoeux, “Application of e2m decision trees to rubber quality prediction,” in *IPMU*, pp. 107–116, 2014.

- [110] S. Destercke, M. Sallak, and M. Poss, “Reliability analysis with ill-known probabilities and dependencies,” in *Proceedings of ICVRAM 2014*, pp. 1–10, 2014.
- [111] F. Aguirre, C. Jacob, S. Destercke, D. Dubois, and M. Sallak, “Inclusion/exclusion principle for belief functions,” in *ISIPTA’13: Proceedings of the Seventh International Symposium on Imprecise Probability: Theories and Applications* (F. Cozman, T. Denœux, S. Destercke, and T. Seidenfeld, eds.), (Compiègne), pp. 3–11, SIPTA, 2013.
- [112] M. Hourbracq, C. Baudrit, P.-H. Wuillemin, and S. Destercke, “Dynamic credal networks: introduction and use in robustness analysis,” in *ISIPTA’13: Proceedings of the Seventh International Symposium on Imprecise Probability: Theories and Applications* (F. Cozman, T. Denœux, S. Destercke, and T. Seidenfeld, eds.), (Compiègne), pp. 159–168, SIPTA, 2013.
- [113] S. Destercke, P. Buche, B. Charnomordic, and V. Guillard, “Decision support system using flexible query and reliability assessment - application to biodegradable and biosourced packaging design,” in *FUZZ-IEEE 2013, IEEE International Conference on Fuzzy Systems, Hyderabad, India, 7-10 July, 2013, Proceedings*, 2013.
- [114] N. Sutton-charani, S. Destercke, and T. Denoeux, “Classification trees based on belief functions,” in *BELIEF 2012*, pp. 77–84, 2012.
- [115] T. Burger and S. Destercke, “Random generation of mass functions : A short howto,” in *BELIEF 2012*, pp. 145–152, 2012.
- [116] S. Destercke and T. Burger, “Revisiting the notion of conflicting belief functions,” in *BELIEF 2012* (T. Denoeux and M.-H. Masson, eds.), vol. 164, pp. 153–160, 2012.
- [117] S. Destercke and B. Quost, “Correcting Binary Imprecise Classifiers: Local vs Global Approach,” in *Scalable Uncertainty Management* (E. Hüllermeier, S. Link, T. Fober, and B. Seeger, eds.), vol. 7520 of *Lecture Notes in Computer Science*, (Berlin, Heidelberg), pp. 299–310, Springer Berlin Heidelberg, 2012.
- [118] Y. Mazigh, B. B. Yaghlane, and S. Destercke, “Evaluation of the naive evidential classifier (nec): A comparison between its two variants based on a real agronomic application,” in *SUM*, pp. 619–624, 2012.
- [119] S. Destercke and V. Antoine, “Combining Imprecise Probability Masses with Maximal Coherent Subsets: Application to Ensemble Classification,” in *Synergies of Soft Computing and Statistics for Intelligent Data Analysis*, vol. 190 of *Advances in Intelligent Systems and Computing*, (Berlin, Heidelberg), pp. 1–8, Springer Berlin Heidelberg, 2012.

- [120] M. C. M. Troffaes and S. Destercke, “A Nested Approach to Multivariate Modelling Using Lower Previsions,” in *Proceedings of PSAM 11 & ESREL*, 2012.
- [121] I. Johnson, J. Abécassis, B. Charnomordic, S. Destercke, and R. Thomopoulos, “Making ontology-based knowledge and decision trees interact: an approach to enrich knowledge and increase expert confidence in data-driven models,” in *Knowledge Science, Engineering and Management*, pp. 304–316, Springer, 2011.
- [122] O. Strauss and S. Destercke, “F-boxes for filtering,” in *European Society for Fuzzy Logic and Technology - EUSFLAT*, 2011.
- [123] M. Troffaes, E. Miranda, and S. Destercke, “On the connection between probability boxes and possibility measures,” in *Proceedings of the 7th conference of the European Society for Fuzzy Logic and Technology (EUSFLAT-2011)*, Atlantis Press, 2011.
- [124] M. Troffaes and S. Destercke, “Probability boxes on totally preordered spaces for multivariate modelling,” in *ISIPTA’11: Proceedings of the Seventh International Symposium on Imprecise Probability: Theories and Applications*, 2011.
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