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Academic curriculum

- Habilitation à Diriger des Recherches “*Modélisation et élicitation des préférences pour l’aide à la décision*”, 2003,
- PhD, University Paris-Dauphine, “*Problèmes liés à l’évaluation de l’importance relative des critères en aide multicritère à la décision: Réflexions théoriques, expérimentations et implémentations*”, 1993,
- D.E.A. “Méthodes Scientifiques de Gestion”, Université Paris-Dauphine, 1989,
- Maîtrise MIAGE, Méthodes Informatiques Appliquées à la Gestion, Université Paris-Dauphine, 1988,

Positions

- Professor at CentraleSupélec, Laboratoire MICS (2019-) mics.centralesupelec.fr, Equipe Logomics.
- Professor at CentraleSupélec (formerly Ecole Centrale Paris), Laboratoire de Génie Industriel (2008-2018).
- Sabbatical leave at CNRS - LIP6, Université Paris VI (2006-07).
- Invited professor, Service Mathématiques de la Gestion, Univ. Libre de Bruxelles, Belgique, Mai 2006.
- Invited professor, Laboratoire DIMACS, Rutgers University, New Jersey, USA (2001, 7 months).
- Assistant professor in computer Science at Université Paris-Dauphine (1994-2008).

Responsabilities and Scientific duties

- Editor in Chief of the journal *Euro Journal of Decision Processes* (2016-22),
- Head of the axis “Complex system ingenieering” in the *Interfaces* doctoral school, ED 573, Université Paris Saclay (2013-).
- Associate Editor of the journal *JOR* (2014-),
- Head of the team “Decision Aid for production and service systems” at Laboratoire Génie Industriel (~25 members), CentraleSupélec (2008-18).
- Elected member of the Scientific Council at Ecole Centrale Paris (2009-2012),
- Head of Master Recherche OSIL “Optimisation des Systèmes Industriels et Logistiques” à l’Ecole Centrale Paris (2008-2016)
- Head of the Master “Informatique Décisionnelle”, Univ. Paris-Dauphine (2003-2008).
- PEDR / PES since 2001, last renewed in 2022,

Research

- 5 edited books,
- 59 papers in international journals,
- 27 international conference papers,
- 12 chapters or book contributions,
- supervision of 16 defended PhD, 3 ongoing PhD,

Visibility

- h-index=22, nombre de citations=4097, cit/art=56.1 (source WoS, www.researcherid.com/rid/E-9078-2012)
h-index=39, nombre de citations=8429 (source Google scholar),
- International scientific collaborations: R. Slowinski (Poznan, Pologne), J. Figueira (Lisbon, Portugal), M. Pirlot (Mons, Belgique), R. Bisdorff (Luxembourg), L. Dias (Coimbra, Portugal), M. Köksalan (Ankara, Turquie), S. Greco (Catane, Italie), O. Ozpeynirci and S. Bilgin (Izmir, Turquie).

Research project: learning explainable multiple criteria decision models

My research interests lie in the field of multicriteria decision which considers preferences/decision models as not necessarily guided by a single criterion but as a compromise between conflicting criteria.

More specifically, I am interested in learning preferences models based on preference statements. However, so as to increase trustworthiness of recommendations for users, the recommendations based preference models should come with interpretability and explanations. Convincing recommendations can not rely on technical elements of the model of preference, but on "primitives" used by the decision maker in their reasoning. Building effective algorithms to learn preference models and construct recommendations is my current main research interest.

Such research has impact on many real implication in which an interaction with a user/decision-maker is required to elaborate a recommendation for decision.

Books

- [1] Raymond Bisdorff, Luis C Dias, Patrick Meyer, Vincent Mousseau, and Marc Pirlot. *Evaluation and decision models with multiple criteria: Case studies*. Springer, 2015.
- [2] Robert Busa-Fekete, Eyke Hullermeier, and Vincent Mousseau. *Proceedings of DA2PL'2016 From Multiple Criteria Decision Aid to Preference Learning, Paderborn, Germany*. Springer, 2016.
- [3] Salvatore Greco, Vincent Mousseau, Jurek Stefanovski, and Constantin Zopounidis. *Intelligent Decision Support Systems: Combining Operations Research and Artificial Intelligence - Essays in Honor of Roman Slowinski*. Springer, 2022.
- [4] Vincent Mousseau and Marc Pirlot. *Proceedings of DA2PL'2012 From Multiple Criteria Decision Aid to Preference Learning, Mons, Belgium*. Springer, 2012.
- [5] Vincent Mousseau and Marc Pirlot. *Proceedings of DA2PL'2014 From Multiple Criteria Decision Aid to Preference Learning, Chatenay-Malabry, France*. Springer, 2014.

Journal Papers

- [6] Manuel Amoussou, Khaled Belahcène, Christophe Labreuche, Nicolas Maudet, Vincent Mousseau, and Wassila Ouerdane. Questionable stepwise explanations for a robust additive preference model. *International Journal of Approximate Reasoning*, 171:108982, 2024.
- [7] Khaled Belahcene, Vincent Mousseau, Marc Pirlot, Wassila Ouerdane, and Olivier Sobrie. Multiple criteria sorting models and methods. part I: survey of the literature. *Annals of Operations Research*, pages 1–61, 2024.
- [8] Khaled Belahcène, Vincent Mousseau, Wassila Ouerdane, Marc Pirlot, and Olivier Sobrie. Ranking with multiple reference points: Efficient SAT-based learning procedures. *Computers & Operations Research*, 150:106054, 2023.
- [9] Pegdwendé Minoungou, Vincent Mousseau, Wassila Ouerdane, and Paolo Scotton. Learning MR-Sort models from non-monotone data. *Annals of Operations Research*, 325(2):795–817, 2023.
- [10] Ali Tlili, Oumaima Khaled, Vincent Mousseau, and Wassila Ouerdane. Interactive portfolio selection involving multicriteria sorting models. *Annals of Operations Research*, 325(2):1169–1195, 2023.
- [11] Khaled Belahcene, Vincent Mousseau, Marc Pirlot, Wassila Ouerdane, and Olivier Sobrie. Multiple criteria sorting models and methods. part I: survey of the literature. *4OR*, 21(1):1–43, 2023.
- [12] Khaled Belahcene, Vincent Mousseau, Marc Pirlot, Wassila Ouerdane, and Olivier Sobrie. Multiple criteria sorting models and methods. part II: Theoretical results and general issues. *4OR*, 2023.
- [13] Selin Özpeynirci, Özgür Özpeynirci, and Vincent Mousseau. A decomposition based minimax regret approach for inverse multiple criteria sorting problem. *4OR*, 21(1):125 – 149, 2023.
- [14] Selin Özpeynirci, Özgür Özpeynirci, and Vincent Mousseau. Portfolio decision analysis with a generalized balance approach. *Computers & Operations Research*, 142:105705, 2022.
- [15] Ali Tlili, Khaled Belahcène, Oumaima Khaled, Vincent Mousseau, and Wassila Ouerdane. Learning non-compensatory sorting models using efficient SAT/MaxSAT formulations. *European Journal of Operational Research*, 298(3):979–1006, 2022.
- [16] Alexandru-Liviu Olteanu, Khaled Belahcene, Vincent Mousseau, Wassila Ouerdane, Antoine Rolland, and Jun Zheng. Preference elicitation for a ranking method based on multiple reference profiles. *4OR*, 20(1):63–84, 2022.
- [17] Selin Özpeynirci, Özgür Özpeynirci, and Vincent Mousseau. An interactive algorithm for resource allocation with balance concerns. *OR Spectrum*, 43(4):983–1005, 2021.
- [18] Özgür Özpeynirci, Selin Özpeynirci, and Vincent Mousseau. An interactive approach for inverse multiple criteria sorting problem. *Journal of Multi-Criteria Decision Analysis*, 28(3-4):160–169, 2021.

- [19] Tairan Wang, Nicola Pedroni, Enrico Zio, and Vincent Mousseau. Identification of protective actions to reduce the vulnerability of safety-critical systems to malevolent intentional acts: An optimization-based decision-making approach. *Risk Analysis*, 40(3):565–587, 2020.
- [20] Olivier Sobrie, Vincent Mousseau, and Marc Pirlot. Learning monotone preferences using a majority rule sorting model. *International Transactions in Operational Research*, 26(5):1786–1809, 2019.
- [21] Vincent Mousseau, Özgür Özpeynirci, and Selin Özpeynirci. Inverse multiple criteria sorting problem. *Annals of OR*, 267(1-2):379–412, 2018.
- [22] Özgür Özpeynirci, Selin Özpeynirci, and Vincent Mousseau. An interactive algorithm for multiple criteria constrained sorting problem. *Annals of OR*, 267(1-2):447–466, 2018.
- [23] Khaled Belahcène, Christophe Labreuche, Nicolas Maudet, Vincent Mousseau, and Wassila Ouerdane. An efficient SAT formulation for learning multiple criteria non-compensatory sorting rules from examples. *Computers & OR*, 97:58–71, 2018.
- [24] Oumaima Khaled, Michel Minoux, Vincent Mousseau, Stéphane Michel, and Xavier Ceugniet. A multi-criteria repair/recovery framework for the tail assignment problem in airlines. *Journal of Air Transport Management*, 68:137–151, 2018.
- [25] V. Ferretti, J. Liu, V. Mousseau, and W. Ouerdane. Reference-based ranking procedure for environmental decision making: Insights from an ex-post analysis. *Environmental Modelling & Software*, 99:11 – 24, 2018.
- [26] Olivier Sobrie, Nicolas Gillis, Vincent Mousseau, and Marc Pirlot. UTA-poly and UTA-splines: additive value functions with polynomial marginals. *European Journal of Operational Research*, 264(2):405–418, 2018.
- [27] Oumaima Khaled, Michel Minoux, Vincent Mousseau, Stéphane Michel, and Xavier Ceugniet. A compact optimization model for the tail assignment problem. *European Journal of Operational Research*, 264(2):548–557, 2018.
- [28] Eda Ersek Uyanik, Vincent Mousseau, Marc Pirlot, and Olivier Sobrie. Enumerating and categorizing positive boolean functions separable by a k-additive capacity. *Discrete Applied Mathematics*, 229:17–30, 2017.
- [29] Murat Köksalan, Vincent Mousseau, and Selin Özpeynirci. Multicriteria sorting with category size restrictions. *International Journal of Information Technology and Decision Making*, 16(1):5 – 23, January 2017.
- [30] Khaled Belahcène, Christophe Labreuche, Nicolas Maudet, Vincent Mousseau, and Wassila Ouerdane. Explaining robust additive utility models by sequences of preference swaps. *Theory and Decision*, 82(2):151–183, 2017.
- [31] Tairan Wang, Vincent Mousseau, Nicola Pedroni, and Enrico Zio. An empirical classification-based framework for the safety criticality assessment of energy production systems, in presence of inconsistent data. *Reliability Engineering and System Safety*, 157:139–151, January 2017.
- [32] Olivier Sobrie, Mohamed Amine Lazouni, Said Mahmoudi, Vincent Mousseau, and Marc Pirlot. A new decision support model for preanesthetic evaluation. *Computer Methods and Programs in Biomedicine*, 133:183–193, 2016.
- [33] Vincent Mousseau and Marc Pirlot. Preference elicitation and learning. *EURO Journal on Decision Processes*, 3(1-3), May 2015.
- [34] Stéphane Deparis, Vincent Mousseau, Meltem Öztürk, and Caroline Huron. The effect of bi-criteria conflict on matching-elicited preferences. *European Journal of Operational Research*, 242(3):951 – 959, 2015.
- [35] Jun Zheng, Stéphane Aimé Metchebon Takougang, Vincent Mousseau, and Marc Pirlot. Learning criteria weights of an optimistic electre tri sorting rule. *Computers & Operations Research*, 49:28 – 40, April 2014.
- [36] Salvatore Greco, Vincent Mousseau, and Roman Slowiński. Robust ordinal regression for value functions handling interacting criteria. *European Journal of Operational Research*, 239(3):711 – 730, June 2014.
- [37] Olivier Cailloux, Brice Mayag, Patrick Meyer, and Vincent Mousseau. Operational tools to build a multicriteria territorial risk scale with multiple stakeholders. *Reliability Engineering & System Safety*, 120:88–97, Dec. 2013.
- [38] Olivier Cailloux, Patrick Meyer, and Vincent Mousseau. Eliciting ELECTRE TRI category limits for a group of decision makers. *European Journal of Operational Research*, 223(1):133–140, Nov. 2012.
- [39] Stéphane Deparis, Vincent Mousseau, Meltem Oeztuerk, Christophe Pallier, and Caroline Huron. When conflict induces the expression of incomplete preferences. *European Journal of Operational Research*, 221(3):593–602, Sept. 2012.

- [40] Salvatore Greco, Milosz Kadzinski, Vincent Mousseau, and Roman Slowinski. Robust ordinal regression for multiple criteria group decision: UTA(GMS)-GROUP and UTADIS(GMS)-GROUP. *Decision Support Systems*, 52(3):549–561, Feb. 2012.
- [41] Hassene Aissi, Salem Chakhar, and Vincent Mousseau. GIS-based multicriteria evaluation approach for corridor siting. *Environment and Planning B-Planning & Design*, 39(2):287–307, 2012.
- [42] Salvatore Greco, Milosz Kadziński, Vincent Mousseau, and Roman Slowinski. ELECTRE-GKMS: Robust ordinal regression for outranking methods. *European Journal of Operational Research*, 124(21):118–135, October 2011.
- [43] Salvatore Greco, Vincent Mousseau, and Roman Slowinski. Multiple criteria sorting with a set of additive value functions. *European Journal of Operational Research*, 207(3):1455–1470, Dec. 2010.
- [44] Murat Koksalan, Vincent Mousseau, Özgür Özpeynirci, and Selin Bilgin Özpeynirci. A New Outranking-Based Approach for Assigning Alternatives to Ordered Classes. *Naval Research Logistics*, 56(1):74–85, Feb. 2009.
- [45] Fernando Tavares Pereira, Jose Rui Figueira, Vincent Mousseau, and Bernard Roy. Comparing two territory partitions in districting problems: Indices and practical issues. *Socio-Economic Planning Sciences*, 43(1):72–88, 2009.
- [46] Salvatore Greco, Vincent Mousseau, and Roman Słowiński. Ordinal regression revisited: multiple criteria ranking using a set of additive value functions. *European Journal of Operational Research*, 191(2):416–436, 2008.
- [47] Salem Chakhar and Vincent Mousseau. GIS-based multicriteria spatial modeling generic framework. *International Journal of Geographical Information Science*, 22(11-12):1159–1196, 2008.
- [48] Sébastien Damart, Luis C. Dias, and Vincent Mousseau. Supporting groups in sorting decisions: methodology and use of a multi-criteria aggregation-disaggregation DSS. *Decision Support Systems*, 43:1464–1475, August 2007.
- [49] Rafik Bouaziz, Salem Chakhar, Vincent Mousseau, Sudha Ram, and Abdelkader Telmoudi. Database design and querying within the fuzzy semantic model. *Information Sciences*, 177(21):4598–4620, Nov. 2007.
- [50] Fernando Tavares-Pereira, Jose Rui Figueira, Vincent Mousseau, and Bernard Roy. Multiple criteria districting problems - The public transportation network pricing system of the Paris region. *Annals of Operations Research*, 154(1):69–92, Oct. 2007.
- [51] Salem Chakhar and Vincent Mousseau. An algebra for multicriteria spatial modeling. *Computers Environment and Urban Systems*, 31(5):572–596, Sept. 2007.
- [52] Luis C Dias and Vincent Mousseau. Inferring Electre’s veto-related parameters from outranking examples. *European Journal of Operational Research*, 170(1):172–191, 2006.
- [53] Vincent Mousseau, Luis C Dias, and José Figueira. Dealing with inconsistent judgments in multiple criteria sorting models. *4OR: A Quarterly Journal of Operations Research*, 4(2):145–158, 2006.
- [54] Vincent Mousseau and Luis Dias. Valued outranking relations in ELECTRE providing manageable disaggregation procedures. *European Journal of Operational Research*, 156(2):467–482, 2004.
- [55] Vincent Mousseau, José Figueira, Luís Dias, Carlos Gomes da Silva, and João Clímaco. Resolving inconsistencies among constraints on the parameters of an MCDA model. *European Journal of Operational Research*, 147(1):72–93, 2003.
- [56] Luís C Dias and Vincent Mousseau. IRIS: A DSS for multiple criteria sorting problems. *Journal of Multi-Criteria Decision Analysis*, 12(4-5):285–298, 2003.
- [57] Luís Dias, Vincent Mousseau, José Figueira, and João Clímaco. An aggregation/disaggregation approach to obtain robust conclusions with Electre Tri. *European Journal of Operational Research*, 138(2):332–348, 2002.
- [58] An Ngo The and Vincent Mousseau. Using assignment examples to infer category limits for the Electre Tri method. *Journal of Multi-Criteria Decision Analysis*, 11(1):29–43, 2002.
- [59] Sébastien Damart, Vincent Mousseau, and Isabelle Sommerlatt. Involvement mode of multiple stakeholders in the use of a multicriteria assignment model. *INFOR*, 40(3):199–222, April 2002.
- [60] Vincent Mousseau, José Figueira, and Jean-Philippe Naux. Using assignment examples to infer weights for Electre Tri method: Some experimental results. *European Journal of Operational Research*, 130(2):263–275, 2001.

- [61] Vincent Mousseau, Bernard Roy, and Isabelle Sommerlatt. Elaboration d'un outil d'aide à la décision en vue de l'évolution de la tarification des transports publics en ile-de-france. *Journal of Decision Systems*, 9(2):289–315, 2000.
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- [63] Vincent Mousseau and Roman Słowiński. Inferring an Electre Tri model from assignment examples. *Journal of global optimization*, 12(2):157–174, 1998.
- [64] Bernard Roy and Vincent Mousseau. A theoretical framework for analysing the notion of relative importance of criteria. *Journal of Multi-Criteria Decision Analysis*, 5:145–159, 1996.
- [65] Vincent Mousseau. Analyse et classification de la littérature traitant de l'importance relative des critères en aide multicritère à la décision. *RAIRO Operational Research*, 26(4):367–389, 1992.

Conference proceedings

- [66] Vincent Auriau, Khaled Belahcène, Emmanuel Malherbe, and Vincent Mousseau. Learning multiple multicriteria additive models from heterogeneous preferences. In Rupert Freeman and Nicholas Mattei, editors, *Algorithmic Decision Theory*, pages 207–224. Springer, 2025.
- [67] Javier Maas, Vincent Mousseau, and Anaëlle Wilczynski. A hotelling-downs game for strategic candidacy with binary issues. In *Proceedings of the AAMAS Conference 2023*, June 2023.
- [68] Mathieu Lerouge, Céline Gicquel, Vincent Mousseau, and Wassila Ouerdane. Counterfactual explanations for work-force scheduling and routing problems. In *Proceedings of the ICORES Conference 2023*, Feb. 2023.
- [69] Khaled Belahcène, Vincent Mousseau, and Anaëlle Wilczynski. Combining fairness and optimality when selecting and allocating projects. In Zhi-Hua Zhou, editor, *Proceedings of the Thirtieth International Joint Conference on Artificial Intelligence, IJCAI-21*, pages 38–44. International Joint Conferences on Artificial Intelligence Organization, 8 2021.
- [70] P. Minoungou, V. Mousseau, W. Ouerdane, and Scotton P. Learning an MR-Sort model from data with latent criteria preference direction. In *Proceeding of the 5th wokshop from multiple criteria Decision aid to Preference Learning (DA2PL)*, Trento, Italy, November 2020.
- [71] M. Amoussou, C. Labreuche, N. Maudet, V. Mousseau, and W. Ouerdane. Explaining the robust additive decision model: MILP assessment of preference-swap sequence. In *Proceeding of the 5th wokshop from multiple criteria Decision aid to Preference Learning (DA2PL)*, Trento, Italy, November 2020.
- [72] Khaled Belahcène, Christophe Labreuche, Nicolas Maudet, Vincent Mousseau, and Wassila Ouerdane. Comparing options with argument schemes powered by cancellation. In *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence, IJCAI 2019, Macao, China, August 10-16, 2019*, pages 1537–1543, 2019.
- [73] K. Belahcene, V. Mousseau, W. Ouerdane, M. Pirlot, and O. Sobrie. Ranking with multiple points: Efficient elicitation and learning procedures. In *Proceeding of the 4th wokshop from multiple criteria Decision aid to Preference Learning (DA2PL)*, Poznan, Poland, November 2018.
- [74] K. Belahcene, O. Khaled, V. Mousseau, W. Ouerdane, and A. Tlili. A new efficient SAT formulation for learning ncs models: numerical results. In *Proceeding of the 4th wokshop from multiple criteria Decision aid to Preference Learning (DA2PL)*, Poznan, Poland, November 2018.
- [75] Khaled Belahcène, Christophe Labreuche, Nicolas Maudet, Vincent Mousseau, Wassila Ouerdane, and Yann Chevalleyre. Accountable approval sorting. In *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI 2018)*, 2018.
- [76] Khaled Belahcène, Christophe Labreuche, Nicolas Maudet, Vincent Mousseau, and Wassila Ouerdane. A model for accountable ordinal sorting. In *Proceedings of the 26th International Joint Conference on Artificial Intelligence (IJCAI 2017)*, pages 814–820, 2017.
- [77] Olivier Sobrie, Vincent Mousseau, and Marc Pirlot. A population-based algorithm for learning a majority rule sorting model with coalitional veto. In *Evolutionary Multi-Criterion Optimization*, volume 10173 of *Evolutionary Multi-Criterion Optimization*, pages 575–589, Münster, Germany, March 2017.

- [78] O. Sobrie, V. Mousseau, and M. Pirlot. Learning the parameters of a non compensatory sorting model. In T. Walsh, editor, *Algorithmic Decision Theory*, volume 9346 of *Lecture Notes in Artificial Intelligence*, pages 153–170, Lexington, KY, USA, 2015. Springer.
- [79] Manel Mammam, Vincent Mousseau, Wassila Ouerdane, and Alexandre Aubry. Internet prospect’s flow forecasting for a multi-period optimization model of offer/demand assignment problem. In *International Conference on computers and Industrial Engineering (CIE45)*, Metz, France, October 2015.
- [80] Jinyan Liu, Wassila Ouerdane, and Vincent Mousseau. A Metaheuristic approach for preference Learning in multi-criteria ranking based on reference points. In *Proceeding of the 2nd wokshop from multiple criteria Decision aid to Preference Learning (DA2PL)*, pages 76–86, Chatenay Malabry, France, November 2014.
- [81] O. Sobrie, V. Mousseau, and M. Pirlot. Learning the parameters of a majority rule sorting model taking attribute interactions into account. In *DA2PL 2014 Workshop From Multiple Criteria Decision Aid to Preference Learning*, pages 22–30, 2014. Paris, France.
- [82] T. Wang, V. Mousseau, and E. Zio. A hierarchical decision making framework for vulnerability analysis. In R. Steenbergen, P. VanGelder, S. Miraglia, and A. Vrouwenvelder, editors, *Safety, Reliability and Risk Analysis: Beyond the Horizon*, pages 1157–1165, 2014. 22nd Annual Conference on European Safety and Reliability (ESREL).
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- [85] O. Sobrie, V. Mousseau, and M. Pirlot. Learning the parameters of a multiple criteria sorting method from large sets of assignment examples. In *DA2PL 2012 Worksho p From Multiple Criteria Decision Aid to Preference Learning*, pages 21–31, 2012. Mons, Belgique.
- [86] Olivier Cailloux and Vincent Mousseau. Parameterize a territorial risk evaluation scale using multiple experts knowledge through risk assessment examples. In *Advances in Safety, Reliability and Risk Management: ESREL 2011*, pages 378–386, 2011. 20nd Annual Conference on European Safety and Reliability (ESREL).
- [87] Brice Mayag, Olivier Cailloux, and Vincent Mousseau. Mcda tools and risk analysis: the decision deck project. In *Advances in Safety, Reliability and Risk Management: ESREL 2011*, pages 370–377, 2011.
- [88] Agnes Leroy, Vincent Mousseau, and Marc Pirlot. Learning the parameters of a multiple criteria sorting method. In R. Brafman, F. Roberts, and A. Tsoukiàs, editors, *Algorithmic Decision Theory*, volume 6992 of *Lecture Notes in Artificial Intelligence*, pages 219–233, 2011. 2nd International Conference on Algorithmic Decision Theory, ADT 2011, Piscataway, NJ, USA.
- [89] Jun Zheng, Olivier Cailloux, and Vincent Mousseau. Constrained multicriteria sorting method applied to portfolio selection. In R. Brafman, F. Roberts, and A. Tsoukiàs, editors, *Algorithmic Decision Theory*, volume 6992 of *Lecture Notes in Artificial Intelligence*, pages 331–343, 2011. 2nd International Conference on Algorithmic Decision Theory, ADT 2011, Piscataway, NJ, USA.
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- [91] Salvatore Greco, Vincent Mousseau, and Roman Slowinski. The Possible and the Necessary for Multiple Criteria Group Decision. In F. Rossi and A. Tsoukias, editors, *Algorithmic Decision Theory*, volume 5783 of *Lecture Notes in Artificial Intelligence*, pages 203–214, 2009. Proceedings of the 1st International Conference Algorithmic Decision Theory, Venice, Italy.
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- [93] Catherine Mercat-Rommens, Salem Chakhar, Christelle Barde, S. Roussel-Debet, and Vincent Mousseau. Towards a shared method to classify contaminated territories in the case of an accidental nuclear event: the PRIME project. In Brebbia, C., editor, *Risk Analysis: Simulation and Hazard Mitigation*, pages 169–176, 2008. 6th International Conference on Computer Simulation Risk Analysis and Hazard Mitigation, Cephalonia, Greece.

Book chapters

- [94] Luis Dias, , and Vincent Mousseau. Eliciting multi-criteria preferences: Electre models. In L. Dias, Morton A., and Quigley J., editors, *Elicitation: The Science and Art of Structuring Judgement*, pages 349–375. Springer, 2018.
- [95] Florent Montignac, Vincent Mousseau, Denis Bouyssou, Mohamed Ali Aloulou, Benjamin Rousval, and Sébastien Damart. An MCDA approach for evaluating hydrogen storage systems for future vehicles. In R. Bisdorff, L. Dias, P. Meyer, V. Mousseau, and M. Pirlot, editors, *Evaluation and Decision Models with Multiple Criteria*, pages 501–532. Springer, 2015.
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- [97] Salem Chakhar, Serge Haddad, Lynda Mokdad, Vincent Mousseau, and Samir Youcef. Multicriteria evaluation-based framework for composite web service selection. In R. Bisdorff, L. Dias, P. Meyer, V. Mousseau, and M. Pirlot, editors, *Evaluation and Decision Models with Multiple Criteria*, pages 167–200. Springer, 2015.
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- [100] Jose Rui Figueira, Salvatore Greco, Vincent Mousseau, and Roman Slowinski. Interactive Multiobjective Optimization Using a Set of Additive Value Functions. In Branke, J. and Deb, K. and Miettinen, K. and Slowinski, R., editor, *Multiobjective Optimization: Interactive and Evolutionary Approaches*, volume 5252 of *Lecture Notes in Computer Science*, pages 97–120. Springer, 2008.
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PhDs

- [105] Vincent Mousseau. *Elicitation des préférences pour l’aide multicritère à la décision*. PhD thesis, Université Paris Dauphine, 2003. Habilitation à diriger des Recherches.
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