

Bibliography

- [1] G. Shafer, *A Mathematical Theory of Evidence*. Princeton, NJ: Princeton University Press, 1976.
- [2] P. Smets, "Imperfect information: Imprecision-uncertainty," in *Uncertainty Management in Information Systems. From Needs to Solutions*, A. Motro and P. Smets, Eds. Dordrecht: Kluwer Academic Publishers, 1997, pp. 225–254. [Online]. Available: http://iridia.ulb.ac.be/~psmets/Imperfect_Data.pdf
- [3] F. Delmotte and P. Smets, "Target identification based on the transferable belief model interpretation of dempster-shafer model, parsii: Applications," IRIDIA, Université Libre de Bruxelles, Belgium, 50 av. Roosevelt, CP194/6, 1050 Brussels, Belgium, Tech. Rep., 1991. [Online]. Available: <http://iridia.ulb.ac.be/~psmets/TargetIdentif-2.pdf>
- [4] R. C. Luo, C. C. Yih, and K. Su, "Multisensor fusion and integration: Approaches, applications, and future research directions," *IEEE Sensors J.*, vol. 2, no. 2, pp. 107–119, 2002.
- [5] D. Dubois, H. Prade, and P. Smets, "Representing partial ignorance," *IEEE Trans. Syst., Man, Cybern. - Part A*, vol. 26, pp. 361–371, 1996. [Online]. Available: http://iridia.ulb.ac.be/~psmets/Rep_Partial_Ignorance.pdf
- [6] P. Smets, "Numerical representation of uncertainty," in *Belief Change*, ser. Handbook of Defeasible Reasoning and Uncertainty Management Systems, D. Dubois and H. Prade, Eds. Dordrecht: Kluwer Academic Publishers, 1998, vol. 3, pp. 265–311. [Online]. Available: http://iridia.ulb.ac.be/~psmets/Num_Repr_Unc.pdf
- [7] ——. (2005, Mar.) Analyzing the combination of conflicting belief functions. [Online]. Available: http://iridia.ulb.ac.be/~psmets/Combi_Confl.pdf
- [8] F. Samarandache and J. Dezert, *Advances and Applications of DS_mT for Information Fusion*. Rehoboth: American Research Press, 2004. [Online]. Available: <http://www.gallup.unm.edu/~smarandache/DSmT-book1.pdf>

- [9] J. C. Helton, "Uncertainty and sensitivity analysis in the presence of stochastic and subjective uncertainty," *Journal of Statistical Computation and Simulation*, vol. 57, pp. 3–76, 1997.
- [10] K. Sentz and S. Ferson, "Combination of evidence in dempster-shafer theory," Sandia National Laboratories, New Mexico, Tech. Rep., Apr. 2002. [Online]. Available: <http://www.sandia.gov/epistemic/Reports/SAND2002-0835.pdf>
- [11] L. A. Zadeh, "On the validity of Dempster's rule of combination of evidence," University of California, Berkely, Tech. Rep. UCB/ERL M79/24, 1979.
- [12] P. Smets, "The combination of evidence in the transferable belief model," *IEEE Trans. Pattern Anal. Mach. Intell.*, no. 12, pp. 447–458, 1990. [Online]. Available: http://iridia.ulb.ac.be/~psmets/Axioms_for_Dempster_Combi.pdf
- [13] ——, "What is dempster-shafer's model?" in *Advances in the Dempster-Shafer Theory of Evidence*, R. Yager, M. Fedrizzi, and J. Kacprzyk, Eds. Wiley, 1994, pp. 5–34. [Online]. Available: <http://iridia.ulb.ac.be/~psmets/WhatIsDS.pdf>
- [14] A. P. Dempster, "Upper and lower probabilities induced by a multiple valued mapping," *Ann. Math. Statistics*, vol. 38, no. 2, pp. 325–339, 1967. [Online]. Available: <http://projecteuclid.org/euclid.aoms/1177698950>
- [15] P. Smets and R. Kennes, "The transferable belief model," *Artificial Intelligence Journal*, no. 66, pp. 191–234, 1994. [Online]. Available: <http://iridia.ulb.ac.be/~psmets/TBM-AIJ.pdf>
- [16] G. Shafer, "Perspectives on the theory and practice of belief functions," *International Journal of Approximate Reasoning*, vol. 4, pp. 323–362, 1990.
- [17] P. Smets. (2005, 3) Papers on belief functions and uncertainty by Philippe Smets and co-autors. [accessed] 2007-01-01. [Online]. Available: <http://iridia.ulb.ac.be/~psmets/AABPapers.html>
- [18] E. C. Kulasekere, K. Premaratne, M. L. S. D. A. Dewasurendra, and P. H. Bauer, "Conditioning and updating evidence," *International Journal of Approximate Reasoning*, vol. 36, pp. 75–108, 2004.
- [19] F. Smarandache and J. Dezert, "An introduction to dsm theory of plausible, paradoxist, uncertain, and imprecise reasoning for information fusion," in *Proc. WOSC International Congress of Cybernetics and Systems*, Maribor, Slovenia, Jul. 6–10, 2005.

- [20] D. N. Senaratne and E. C. Kulasekere, "Enhancing flexibility of belief representations," in *IEEE International Conference on Networking, Sensing and Control 2008*, Sanya, China, Apr. 2008, (accepted).
- [21] ——, "Novel notation to parallel human reasoning in evidence theory," in *IEEE International Conference on Cybernetics and Intelligent Systems 2008*, Chengdu, China, Jun. 2008, (in preparation).
- [22] R. A. Hummel and M. S. Landy, "A statistical viewpoint on the theory of evidence," *IEEE Trans. Pattern Anal. Mach. Intell.*, vol. 10, no. 2, pp. 235–247, Mar. 1988. [Online]. Available: <http://www.cns.nyu.edu/~msl/papers/hummellandy88.pdf>
- [23] F. Samarandache and J. Dezert, "Dsmt: A new paradigm shift for information fusion," in *Proc. Cogis'06 International Conference*, Paris, France, Oct. 2006.
- [24] D. Dubois and H. Prade, "Representation and combination of uncertainty with belief functions and possibility measures," *Computational intelligence*, vol. 4, pp. 244–264, 1998.
- [25] O. Basir, F. Karray, and H. Zhu, "Connectionist-based dempster-shafer evidential reasoning for data fusion," *IEEE Trans. Neural Netw.*, vol. 16, no. 6, pp. 1513–1530, 2005.
- [26] C. K. Murphy, "Combining belief functions when evidence conflicts," *Decision Support Systems*, vol. 29, pp. 1–9, 2000.
- [27] R. R. Yager, "On the dempster-shafer framework and new combination rules," *Information Sciences*, vol. 41, pp. 93–137, 1987.
- [28] K. Verduin. (2005, 4) A short history of probability and statistics. [Online]. Available: <http://www.leidenuniv.nl/fsw/verduin/stathist/stathist.htm>
- [29] H. Wu, M. Siegel, R. Stiefelhagen, and J. Yang, "Sensor fusion using dempster-shafer theory," in *Proc. IEEE Instrumentation and Measurement Technology*, Anchorage, USA, May 2002. [Online]. Available: <http://www.cs.cmu.edu/~whd/publications/1076-Siegel.pdf>



University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations

www.lib.mrt.ac.lk