

List of Publications and Seminars on DSMT

2006

Florentin Smarandache and Jean Dezert, eds., *Advances and Applications of DSMT for Information Fusion*, Volume 2, ((Rehoboth: American Research Press, July 2006).

Jean Dezert, Albena Tchamova, Florentin Smarandache, and Pavlina Konstantinova, "Target Type Tracking with PCR5 and Dempster's Rules – A Comparative Analysis," in *Proceedings of the 2006 International Conference on Information Fusion – Fusion 2006* (Firenze, Italy, 11-13 July 2006).

Xinde Li, Jean Dezert, and Xinhan Huang, "Selection of Sources as a Prerequisite for Information Fusion with Application to SLAM," in *Proceedings of the 2006 International Conference on Information Fusion – Fusion 2006* (Firenze, Italy, 11-13 July 2006).

Jean Dezert and Florentin Smarandache, "DSMT: A New Paradigm Shift for Information Fusion," (paper presented at the Cogis'06 Conference) (Paris, France, 15-17 March 2006), <<http://www.see.asso.fr/cogis2006/pages/programme.htm>>.

Mihai Cristian Florea, Jean Dezert, Pierre Valin, Florentin Smarandache, and Anne-Laure Jouselme, "Adaptative Combination Rule and Proportional Conflict Redistribution Rule for Information Fusion," (paper presented at the Cogis'06 Conference) (Paris, France, 15-17 March 2006), <<http://www.see.asso.fr/cogis2006/pages/programme.htm>>.

Florentin Smarandache and Jean Dezert, "Neutro-fuzzy Inference and Dezert-Smarandache Theory," book chapter in *Computational Intelligence for Bioinformatics: The Knowledge Engineering Approach*, ed. Nik Kasabov, Ilkka Havukkala, and Lotfi Zadeh (University of Berkeley, Springer Verlag, 2006).

2005

Marie-Lise Gagnon, "Rapport Fusion de Données," Technical Report (Département de Génie Electrique et de Génie Informatique, Université Laval, Canada, November 2005).

Florentin Smarandache and Jean Dezert, "Information Fusion Based on New Proportional Conflict Redistribution Rules," in *Proceedings of the 8th International Conference on Information Fusion - Fusion 2005*, volume 2 (Philadelphia, PA, USA, 25-28 July 2005).

Jean Dezert, Albena Tchamova, Tzvetan Semerdjiev, and Pavlina Konstantinova, "Performance Evaluation of Fusion Rules for Multi-Target Tracking in Clutter Based on Generalized Data Association," in *Proceedings of the 8th International Conference on Information Fusion - Fusion 2005* (Philadelphia, PA, USA, 25-28 July 2005).

Frédéric Dambreville, "Example of Continuous Basic Belief Assignment in the DS_mT Paradigm," in *Proceedings of the 8th International Conference on Information Fusion - Fusion 2005* (Philadelphia, PA, USA, 25-28 July 2005).

Jean Dezert and Florentin Smarandache, "A Short Overview on DS_mT for Information Fusion," in *Proceedings of the 10th International Conference on Fuzzy Theory and Technology (FT&T 2005)* (Salt Lake City, Utah, USA, 21-26 July 2005).

Florentin Smarandache and Jean Dezert, "A Simple Proportional Conflict Redistribution Rule," *International Journal of Applied Mathematics and Statistics* 3, ed. J. Mazumdar, ISSN 0973-1377, no. J05 (June 2005): 1–36.

Florentin Smarandache and Sukanto Bhattacharya, "To Be and Not to Be: An Introduction to Neutrosophy - A Novel Decision Paradigm," *Management Vision - New Perspectives* 1 (Institute of Business Management, Jadavpur University, Kolkata, India, March 2005): 27–37.

2004

Ph.D. Dissertations

Samuel Corgne, *Modélisation prédictive de l'occupation des sols en contexte agricole intensif : application à la couverture hivernale des sols en Bretagne*, Advisor: Laurence Hubert-Moy (Université de Rennes 2, France, 10 December 2004).

Sukanto Bhattacharya, *Utility, Rationality and Beyond - From Behavioral Finance to Informational Finance* (Bond University, Queensland, Australia, 2004).

Papers from the special session: Applications and Advances of Plausible and Paradoxical Reasoning for Data Fusion, devoted to DS_mT, presented at the 7th International Conference on Information Fusion, FUSION 2004, Clarion Hotel, Stockholm, Sweden, 28 June - 1 July 2004.

- Florentin Smarandache and Jean Dezert, eds., *Advances and Applications of DS_mT for Information Fusion* (Rehoboth: American Research Press, 2004),

18 chapters, 418 pages, <<http://www.gallup.unm.edu/~smarandache/DStM-book1.pdf>>.

- Jean Dezert, Florentin Smarandache, and Milan Daniel, “The Generalized Pignistic Transform,” in *Proceedings of the Seventh International Conference on Information Fusion*, (Stockholm, Sweden, 28 June - 1 July 2004), ed. Per Svensson and Johan Schubert (Mountain View, CA: International Society of Information Fusion), 384–391, (<<http://www.fusion2004.org>>).
- Alben Tchamova, Jean Dezert, Tzvetan Semerdjiev, and Pavlina Konstantinova, “Target Tracking with Generalized Data Association Based on the General DS_m Rule of Combination,” in *Proceedings of the Seventh International Conference on Information Fusion*, (Stockholm, Sweden, 28 June - 1 July 2004), ed. Per Svensson and Johan Schubert (Mountain View, CA: International Society of Information Fusion), 392–399.
- Anne-Laure Jousselme and Patrick Maupin, “Neutrosophy in Situation Analysis,” in *Proceedings of the Seventh International Conference on Information Fusion*, (Stockholm, Sweden, 28 June – 1 July 2004), ed. Per Svensson and Johan Schubert (Mountain View, CA: International Society of Information Fusion), 400–406, (<<http://www.fusion2004.org>>).

2003

Jean Dezert, *Fondations pour une Nouvelle Théorie du Raisonnement Plausible et Paradoxal* (ONERA Technical Report No. 1/06769 DTIM, January 2003) (in French).

Florentin Smarandache and Mohammad Khoshnevisan, “Fuzzy Logic, Neutrosophic Logic, and Applications,” (paper presented at the 2003 BISC FLINT-CIBI International Joint Workshop on Soft Computing for Internet and Bioinformatics, University of California - Berkeley, 15 December 2003).

Papers from the special session: Plausible and Paradoxical Reasoning for Information Fusion devoted to DS_mT, published in Proceedings of the 6th International Conference on Information Fusion, FUSION 2003, Radisson Hotel, Cairns, Queensland, Australia, 8-11 July 2003, <http://www.gallup.unm.edu/~smarandache/DStM2003.htm>.

- Jean Dezert and Florentin Smarandache, “On the Generation of the Hyperpowerset for the DS_mT,”
- Jean Dezert and Florentin Smarandache, “Partial Ordering of Hyperpowersets and Matrix Representation of Belief Functions with DS_mT.”
- Jean Dezert, Florentin Smarandache, and Alben Tchamova, “On the Blackman’s Association Problem.”

- Samuel Corgne, Laurence Hubert-Moy, Jean Dezert, and Grégoire Mercier, “Land Cover Change Prediction with a New Theory of Plausible and Paradoxical Reasoning.”
- Albena Tchamova, Tzvetan Semerdjiev, and Jean Dezert, “Estimation of Target Behavior Tendencies Using Dezert-Smarandache Theory.”

2002

Jean Dezert, “An Introduction to the Theory of Plausible and Paradoxical Reasoning,” in *Proceedings of NM &A 02, International Conference on Numerical Methods and Applications*, (Borovetz, Bulgaria, August 20-24, Springer Verlag Ed., 2002), <<http://www.bas.bg/clpp/mmosi/partners/isdezert2909.pdf>>.

Jean Dezert, “Foundations for a New Theory of Plausible and Paradoxical Reasoning,” *Information & Security: An International Journal* 9 (2002), ed. Tzvetan Semerdjiev, <http://cms.isn.ch/public/docs/doc_762_259_en.pdf>, 13–57.

2001

Jean Dezert, “Combination of Paradoxical Sources of Information within the Neutrosophic Framework,” in *Proceedings of the First International Conference on Neutrosophics* (University of New Mexico, Gallup Campus, 1-3 December 2001), <<http://www.gallup.unm.edu/~smarandache/NeutrosophicProceedings.pdf>>.

Seminars on DSMT

2006

Jean Dezert, “DSMT Approach for Quantitative and Qualitative Information Fusion,” (invited lecture given at the Information Days on Advanced Computing, supported by EU BIS21++ project and organized by the Institute for Parallel Processing, Bulgarian Academy of Sciences, Hotel “Kamena,” Velingrad, Bulgaria, 21-23 March 2006).

2005

Jean Dezert, “DSMT: Une Nouvelle Approche pour la Gestion d’Informations Conflictuelles,” (ENSIETA, Brest, France, 15 December 2005), <www.ensieta.fr/e3i2/Seminaire.html>.

Florentin Smarandache and Jean Dezert, “DSM Theory of Plausible, Paradoxist, Uncertain, and Imprecise Reasoning for Information Fusion,” (seminar presented at the Knowledge Transfer International Conference, Romanian Ateneu Society, Ecological University of Bucharest, Romania, 25-26 November 2005).

Jean Dezert and Florentin Smarandache, “Dezert-Smarandache Theory (DSmT) of Plausible and Paradoxical Reasoning,” (seminar presented at Sensor Fusion Europe, Post-Conference Workshop, Marcus Evans Co., Barcelona, Spain, 4 November 2005).

Florentin Smarandache and Jean Dezert, “An Introduction to DSm Theory of Plausible, Paradoxist, Uncertain, and Imprecise Reasoning for Information Fusion,” (seminar at the 13th International Congress of Cybernetics and Systems, Maribor, Slovenia, 6-10 July 2005).

Jean Dezert and Albena Tchamova, “Target Identification based on DSmT,” (seminar at the NATO Advanced Research Workshop 2005, Tallinn, Estonia, 27 June – 1 July 2005).

Jean Dezert and Florentin Smarandache, “The DSmT Approach for Information Fusion and Some Open Challenging Problems,” (seminar presented at the NATO Advanced Study Institute, Albena, Bulgaria, 16-27 May 2005).

Florentin Smarandache, “Unification of Fusion Theories (UFT),” (seminar at the NATO Advanced Study Institute, Albena, Bulgaria, 16-27 May 2005).

Albena Tchamova, Tzvetan Semerdjiev, Pavlina Konstantinova, and Jean Dezert, “Multi-Target Tracking Applications of Dezert-Smarandache Theory of Plausible and Paradoxical Reasoning,” (seminar presented at the NATO Advanced Study Institute, Albena, Bulgaria, 16-27 May 2005).

2004

Florentin Smarandache and Sukanto Bhattacharya, “To Be and Not to Be: An Introduction to Neutrosophics: A Novel Decision Paradigm,” (Jadavpur University, Kolkata, India, 23 December 2004).

Milan Daniel, “Uvod do Dezert-Smarandachovy Teorie (Domnenkove Funkce, Zobecnene Domnenkove Funkce a Jejich Kombinovani) (About Dezert-Smarandache Theory (Belief Functions)),” (seminar presented to the Czech Society for Cybernetics and Informatics, Praha, Czech Republic, 7 December 2004).

Jean Dezert, Albena Tchamova, Tzvetan Semerdjiev, Pavlina Konstantinova, Samuel Corgne, Laurence Hubert-Moy, and M. Grégoire, “Recent Applications of Dezert-Smarandache Theory for Information Fusion,” (seminar at the NASA Langley Research Center, Hampton, VA, USA, 5 November 2004).

Jean Dezert and Florentin Smarandache, “An Overview of DSmT for Information Fusion,” (seminar at the NASA Langley Research Center, Hampton, VA, USA, 5 November 2004), <www.nianet.org/ecslectureseries/smarandache_110504.php>, <http://www.nianet.org/ecslectureseries/dezert_110504.php>.

Jean Dezert, “Nouvelles Avancées en Fusion d’Information,” (MANifestation des JEunes Chercheurs STIC, Université du Littoral, Côte d’Opale, Calais, France, 14 October 2004), <<http://lil.univ-littoral.fr/majecstic/>>.

Panel Discussion on DSMT at the Fusion 2004 International Conference on Information Fusion, 28 June – 1 July 2004, Stockholm, Sweden, <www.fusion2004.org>.

Jean Dezert, “Introduction à la DSMT pour la Fusion de Données Incertaines et Conflictuelles,” (seminar given to the Direction Générale de l’Armement (DGA/CTA/DT/GIP/PRO), 16 bis, Av. Prieur de la Côte d’Or, 94114 Arcueil Cedex, France, 20 January 2004).

2003

Jean Dezert, “Pistage Multisenseur Multicible et Fusion de Données,” (course given at the l’École Nationale Supérieure des Techniques (ENSTA), Boulevard Victor, Paris, France (Course ES310: Sensor and Data Fusion), 19 September 19 2003).

Jean Dezert, “A New Framework for Data Fusion Based on DSMT,” (seminar given at Department of Electrical Engineering, University of Melbourne, Melbourne, Australia, 24 July 2003).

Jean Dezert, “Théorie du Raisonnement Plausible et Paradoxal pour la Fusion d’Informations,” (seminar given at Laboratoire PSI – FRE CNRS 2645, Université de Rouen, UFR des Sciences, Place Emile Blondel, 76821 Mont Saint Aignan Cedex, France, 10 April 2003).

Jean Dezert, “Théorie du Raisonnement Plausible et Paradoxal pour la Fusion d’Informations,” (seminar given at Laboratoire COSTEL, LETG UMR CNRS 6554, Université Rennes 2 Haute-Bretagne, Rennes, France, 17 January 2003).

2002

Jean Dezert, “Théorie du Raisonnement Plausible et Paradoxal pour la Fusion d’Informations,” (seminar given at Institute Henri Poincaré, 11 rue Pierre et Marie Curie 75005 – Paris, France, 12 November 2002).