

Publication list

Maria Nilsson

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Books

- Nilsson, M. (2008) Mind the gap: Human decision making and information fusion. Licentiate Thesis, Örebro University: *Studies from the department of technology at Örebro University* 34. ISSN: 1404-7225

Journals

- Nilsson, M. Laere, J., Susi, T., and Ziemke, T. (submitted) On the active role of the user in Information Fusion: A distributed cognition perspective. *Draft paper submitted for journal publication (International Journal of Information Fusion)*.

International Conferences

- Andler, S. A., Fredin, M. Gustavsson, P. M., van Laere, J., Nilsson, M. & Svenson, P (2009) SMARTracIn: a concept for spoof resistant tracking of vessels and detection of adverse intentions. Proceedings of SPIE, vol. 7305: Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense VIII.
- Blasch, E., Valin, P., Bossé, E., Nilsson, M., van Laere, J. Shahbazian, E. (2009) Implications of culture: users role in information fusion for enhanced situational understanding. In: Proceeding of the 12th International Information Fusion Conference, Seattle, USA, July 6-9
- van Laere, J., and Nilsson, M (2009). Evaluation of a workshop to capture knowledge from subject matter experts in maritime surveillance. In: Proceeding of the 12th International Information Fusion Conference, Seattle, USA, July 6-9
- van Laere, J., Nilsson, M. & Ziemke, T. (2007) Implications of Weickan perspective on decision making for information fusion research and practice. In: *Proceedings of the 10th International Conference on Information Fusion*, Québec, Canada, 9-12 July. (www.isif.org)
- Nilsson, M., van Laere, J., Ziemke, T., Berggren, P., and Kylesten, B. (2008) A user study of the Impact Matrix, a fusion based decision support for enhanced situation awareness. In: *Proceedings of the 11th International Information Fusion Conference*, Cologne, Germany, June 30- 3 July. (www.isif.org)
- Nilsson, M., van Laere, J., Ziemke, T. & Edlund, J. (2008) Extracting rules from expert operators to support situation awareness in maritime surveillance. In *Proceedings of the 11th International Information Fusion Conference*. Cologne, Germany, June 30- 3 July. (www.isif.org)

- Nilsson, M. and Ziemke, T. (2007) Information Fusion: A decision support Perspective. In: *Proceedings of the 10th International Conference on Information Fusion*, Québec, Canada, 9-12 July. (www.isif.org)
- Nilsson, M and Ziemke, T. (2006) Rethinking Level 5: Distributed Cognition and Information Fusion. In: *Proceedings of the 9th International Conference on Information Fusion*, Florence, Italy, 10-13 July. (www.isif.org)
- Nilsson, M., Adams, A., Herd, S. (2005) Building security and trust in online banking. In: *Proceedings of the International Conference on Human- Computer Interaction (CHI 2005)*, pp. 1701 – 1704.

Doctorial Consortiums

- Nilsson, M. (2008) Characterising User Interaction to Inform Information-Fusion-Driven Decision Support. In *Proceedings of European Conference on Cognitive Ergonomics*, Madeira, Portugal, 16-19 September.
- Nilsson, M. (2006) Rethinking HCI for Information Fusion and Decision Support. In: *Proceedings of the 20th BCS-HCI British HCI 2006 Group Conference (HCI 2006)*, vol. 2, pp. 225-227.

National Conferences and Workshops

- Nilsson, M. van Laere, J. (2009) *Experts' Views* on User Activities in Information Fusion System Development Processes. In: Proceedings of SWIFT 2009, Skövde workshop on information fusion topics, Skövde, Sweden. "
- Nilsson, M., Susi, T., Laere, J. v., & Ziemke, T. (2008). Formulising Distributed Cognition into a Tool to Capture Information Fusion Processes. *Proceedings of Skövde Workshop of Information Fusion Topics (SWIFT 2008)*, Skövde, Sweden.
- van Laere, J. Nilsson, M., Ujvari, S., & Hilletoft, P. Reflections on Fusion Systems Requirements Analysis for Maintenance Planning. *Proceedings of Skövde Workshop of Information Fusion Topics Workshop of Information Fusion Topics (SWIFT 2008)*, Skövde, Sweden.
- Nilsson, M. (2008) Towards a distributed cognition perspective on decision making to inform information fusion based decision support. In: *Proceedings of Workshop on Information Technology*, Halmstad, Sweden, 10-12 March.
- Nilsson, M. (2007) Human decision making and information fusion: extending the concept of decision support. In: *Technical Report: IDE0727, Workshop on Information Technology*, Halmstad University.

Technical Reports

- Boström, H., Andler, S. F., Brohede, M., Johansson, R., Karlsson, A., van Laere, J., Niklasson, L., Nilsson, M., Persson, A., & Ziemke, T. (2007) On the Definition of Information Fusion as a Field of Research. *Technical Report: HS- IKI -TR-07-006*, School of humanities and Informatics, University of Skövde

- Nilsson, M., Riveiro, M. and Ziemke, T. (2008) Investigating human-computer interaction issues in information-fusion-based decision support. *Technical Report: HS-IKI -TR-08-002*, School of humanities and Informatics, University of Skövde.
- Nilsson, M. (2007) Research proposal: Human decision making and information fusion: extending the concept of decision support. *Technical Report: HS-IKI -TR-07-002*, School of humanities and Informatics, University of Skövde

Miscellaneous

- Nilsson, M. (2007) Information Fusion: a new requirement for effective decision making? (My PhD) *Interfaces* 70, p. 11.