



Inger Lise Johansen

PSAM12 Speaker Bio

Ambiguity in risk assessment

First author

BIOGRAPHY

Inger Lise Johansen, M.Sc., is a PhD candidate at the Norwegian University of Science and Technology, at the Department of production and quality engineering.

The title of her thesis is *Risk assessment in risk-informed decision-making: Foundations, challenges, and approaches*.

Johansen's main interest is foundational issues in risk assessment and risk-informed decision-making. She has published several articles together with Professor Marvin Rausand on issues such as the meaning of complexity and uncertainty in risk assessment and the foundations and choice of risk metrics:



- Johansen, I.L. and Rausand, M. (2014): Defining complexity for risk assessment of sociotechnical systems: A conceptual framework. *Journal of risk and Reliability*, DOI: 10.1177/1748006x13517378
- Johansen, I.L. and Rausand, M. (2014): Foundations and choice of risk metrics. *Safety Science*, 68, pp.386-399
- Johansen, I.L. and Rausand. (2012). Risk metrics: interpretation and choice. In *Proceedings of the 2012 IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong (China), December 10-13, 2012*, pp.1914-1918.
- Johansen, I.L. (2011) The effect of the Deepwater Horizon accident on the Norwegian debate concerning future oil and gas development in Lofoten and Vesterålen. In *Advances in Safety, Reliability, and Risk management. Proceedings of ESREL 2011, Troyes, France*, Taylor and Francis, London
- Johansen, I.L. (2010), *Foundations and fallacies of risk acceptance criteria*. ROSS, Trondheim.
- Johansen, I.L (2010), *Foundations of risk assessment*. ROSS, Trondheim

The second author of the paper is Professor Marvin Rausand, PhD., NTNU. Professor Rausand has written several internationally acknowledged books on the subjects of risk assessment, reliability analysis, and safety critical systems.