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Summary of professional experience

Johan has 20+ years of professional risk management experience from regulating authorities, operating companies, and consultancies. Over the years, Johan has taken on various leadership and manager roles, including project management, business development, and line responsibility in international environments.

With a background in Fire Safety Engineering and Risk Management, Johan is specialised in risk management system development and implementation. He is experienced in various methodologies and approaches commonly used in risk management, vulnerability analyses and business continuity approaches, including the use of bow ties and other barrier assessment methods, Hazards & Effects Management Process (HEMP), HAZID, PHA, Quantitative Risk Analysis (QRA), Fire Risk Assessment (FRA), HAZOP, and more. His expertise also covers crisis and emergency management, business continuity, and incident investigations.

Following 15+ years of risk management practice in various industries, Johan returned in 2020 to Lund University as a PhD candidate and lecturer.

Research

The main research focus is at “standardization of risk”. The aim of the project is explore the effects and value of standardization of risk in a land-use planning context, specifically related to the risk governance process for transport infrastructures.

Research outputs

Effects of standardization in risk management regulations for land-use planning related to process industries and transportation of dangerous goods

Ingvarson, J., 2024 Jun, In: Journal of Loss Prevention in the Process Industries. 91, 12 p., 105383.

On the strength of arguments related to standardization in risk management regulations

Ingvarson, J. & Hassel, H., 2023 Feb, In: Safety Science. 158, 17 p., 105998.

QRA Handledning: Del 2

Ingvarson, J., Egeberg, T., Nystedt, F. & Nassiri, S., 2022, Intressentföreningen för processsäkerhet (IPS). 87 p.

Standardization in Risk Management Regulations: What Can We Learn From Scientific Literature?

Ingvarson, J., 2021, *Proceedings of the 31st European Safety and Reliability Conference (ESREL 2021)*. Castanier, B., Cepin, M. C., Bigaud, D. & Berenguer, C. (eds.). Angers, France

Standardisering av risk: Förstudie

Ingvarson, J., 2020 May 27, Lund

The Basis for Debating Standardization of Risk for Land-use Planning is Incomplete

Ingvarson, J., 2020, *Proceedings of the 30th European Safety and Reliability Conference and the 15th Probabilistic Safety Assessment and Management Conference*. Singapore: Research Publishing Services, p. 3981 - 3988 8 p.

CATES (Consequence assessment tool for pipelines emergency situations)

Baldan, O., Funnemark, E., Huser, A. & Ingvarson, J., 2017 Jan 1, *Risk, Reliability and Safety: Innovating Theory and Practice - Proceedings of the 26th European Safety and Reliability Conference, ESREL 2016*. Walls, L., Revie, M. & Bedford, T. (eds.). CRC Press/Balkema, 1 p.

TTS - The systematic and efficient approach to define, maintain and demonstrate safety performance on complex hydrocarbon processing facilities

Firing, F., Østby, E., Ingvarson, J. & Strøm, Ø., 2011 Sept 2, *Offshore Technology Conference 2011, OTC 2011*. Vol. 2. p. 1240-1249 10 p. (Offshore Technology Conference, Proceedings).

Technical safety barrier management in StatoilHydro

Ingvarson, J. & Strøm, Ø., 2009 Dec 1, *Society of Petroleum Engineers - Offshore Europe Oil and Gas Conference and Exhibition 2009, OE 2009*. Vol. 2. p. 732-741 10 p.

Beslut under osäkerhet: Verktøy for beslutsstöd

Ingvarson, J. & Grahn, E., 2003, Lund: Lund University. 26 p. (LUCRAM rapport; no. 1006)

Risikanalys: metodbeskrivning för beställare - utförare - granskare

Ingvarson, J. & Roos, A., 2003, Stockholm: Svenska Brandförsvarsförbundet. 100 p.