

SRA-E NORDIC CHAPTER

Board members 2020



- Aistė Balžekienė, Kaunas University of Technology, Lithuania (President – 2020-2022)
- Marja Ylönen, Technical Research Centre of Finland, Finland (Past President – 2017-2019)
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- Frederic Boudier, University of Stavanger, Norway
- Sakari Kuikka, University of Helsinki, Finland
- Igor Kozine, Technical University of Denmark, Denmark

Aistė Balžekienė, Associate professor, Faculty of Social Sciences, Kaunas university of technology, Lithuania



- **Research interests:** environmental and technological risk perception, sociology of risk and uncertainty, social responses to climate change risk, cross-national analysis of risk perceptions
- **Project leader:** “The Perception and Practices of Environmental Compensation: Urban Infrastructure Projects in Lithuania and Sweden” (EnCoM). Funded by Research council of Lithuania (2015-2017). “Generalized Methodology for Sociotechnical Risks Governance and Assumptions for the Establishment of RISK-LAB in KTU “, funded by KTU R&D (2015)
- **Chair:** European Sociological Association (ESA) research network RN22 “Sociology of Risk and Uncertainty
- **Recent publication:** Balžekienė A. (2019) International comparative surveys in risk perception research: data sets, construction of questionnaires and analytical dimensions // *Researching risk and uncertainty: methodologies, methods and research strategies* / editors A. Olofsson, J. O. Zinn. Basingstoke : Palgrave Macmillan, 2019. ISBN 9783319958514. eISBN 9783319958521. p. 233-263. (Critical studies in risk and uncertainty, ISSN 2523-7268). DOI: 10.1007/978-3-319-95852-1, <https://www.palgrave.com/us/book/9783319958514>

Marja Ylönen, Senior Scientist, Technical Research Centre of Finland



President of the SRA Nordic Chapter

- **Education:** Doctor of Social Sciences
- **Area:** Safety critical organizations, organizational factors and safety culture (safety culture assessments and safety culture trainings).
- **Recent research topics:** Sociotechnical safety assessment within three risk regulation regimes (2017), Institutional strength-in-depth and national actors (2017), Dynamics in the risk management (2018-2019), Integrated management of safety and security in the Seveso plants (2019-).
- **Application areas:** Nuclear industry, oil and gas industry, Seveso plants
- **Recent publications:**
 - Ylönen, M. (2018) Risk and Resilience. In Boström, M. and Davidson, D. (eds). Environment and Society: Concepts and Challenges. Palgrave MacMillan, pp. 71-94.
 - Aven, T. and Ylönen, M. (2018) A risk interpretation of sociotechnical perspectives. Reliability Engineering & System Safety vol. 175, pp. 13-18.
 - Aven, T. and Ylönen M. (2018) Enigma of knowledge in the risk field. In Aven, T. and Zio, E. (eds). Knowledge in Risk Assessment and Management, Wiley, Chichester, UK. Pp. 27-47.

Sima Rastayesh, Ph.D. Fellow, Aalborg University

Student Representative of SRA Nordic Chapter



- **Recent research topics:** Bayesian networks, RAMS(Reliability, Availability, Maintainability and Safety), Risk-based Operation and Maintenance, Risk-based Inspections, FMEA(Failure Mode and Effect Analysis), FT(Fault Tree) Analysis, (Event Tree) Analysis, Human errors.
- **Recent project:** Development of methods for risk assessment of wind turbine support structures and bridges. (This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 676139.)
- **Application areas:** Wind turbines, bridges, nuclear industry, oil and gas industry, fuel cells.

Sakari Kuikka, Professor of Fishery, University of Helsinki, Finland



- Member of two fisheries working groups of International Council for the Exploration of the sea. Both handle and estimate risks.
- **Projects:** WP leader in two projects of Strategic Research Council of Finland (SSTN): Smartsea and WISE projects. Both of these are focusing on risks.
- **Teaching:** decision and risk analysis in the University of Helsinki and supervising two PhD thesis that apply Bayesian inference to marine risks.

Igor Kozine, Senior Researcher, Technical University of Denmark, Dept. Of Management Engineering, Engineering Systems Division



Research subjects: Uncertainty modelling and presentation, modelling of human performance, resilience analysis, risk based design of cyber-physical systems

Applications: Nuclear, chemical, oil and gas production and transportation, wind energy production, railway, maritime, critical infrastructure and autonomous vehicles

Taught courses at DTU: 1. System Safety and Reliability Engineering, and 2. Risk and Decision Making