



## Juho Helander

### PSAM12 Speaker Bio

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**Short Statement:** First author of the paper #105 (Maritime oil spill risk assessment for Hanhikivi nuclear power plant).

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#### BIOGRAPHY

##### Education

2009: M.Sc.(Tech.), Helsinki University of Technology, major in Applied Mathematics

##### Work experience

2007 - 2009: Trainee, Fortum Nuclear Services

2009 - 2012: Reliability Engineer, Fortum Nuclear Services

- PRA development of Loviisa nuclear power plant
- Specific responsibility areas: seismic PRA, common-cause failures, optimization of testing intervals, PRA model uncertainties

2012 - : Nuclear Safety Engineer, Fennovoima Oy

- PRA development and review of a new nuclear power plant, Hanhikivi 1
- Specific responsibility areas: requirement specification for the PRA model, external hazards, seismic hazard assessment

##### Articles and conference papers

2011

- Nordic PSA conference - Castle meeting 2011. Gottröra, Sweden. Paper name: The results of the updated seismic PRA for Loviisa 1.

2012

- PSAM11 and ESREL 2012 Conference on Probabilistic Risk Assessment. Helsinki, Finland. Paper name: The update of seismic probabilistic risk analysis for Loviisa nuclear power plant.

2013

- Nordic PSA conference - Castle meeting 2013. Saltsjöbaden, Sweden. Paper name: Site-specific hazard studies on a greenfield site.
- International Workshop on PSA of Natural External Hazards including Earthquakes. Prague, Czech Republic. Paper name: External hazard identification, screening and studies for a new plant site.

