



Nuclear Safety Engineer - Severe Accident Analysis Specialist

Position Overview

We are seeking a motivated engineer to join our Research of Nuclear Safety Division, specializing in severe accident analysis for nuclear power plants. The ideal candidate will contribute to international and domestic research projects, support to the regulatory body in case of safety assessments while working both independently and as part of an international team.

Key Responsibilities

- Develop and maintain simulation models for severe accident scenarios
- Conduct severe accident analyses for nuclear power plants using specialized software
- Prepare and review technical and scientific documentation
- Participate in multiple international projects related to nuclear safety
- Support of the regulatory body in safety assessment and technical evaluations
- Travel for project meetings, workshops, and technical consultations
- Represent the Institute at the international expert groups such as NEA, IAEA or ETSO
- Collaborate with multidisciplinary teams on various nuclear safety initiatives

Required Qualifications

- Master's degree in Nuclear Engineering, Mechanical Engineering, or similar technical field
- Preferably at least 10 years of experience in the field of nuclear safety analysis
- Understanding of nuclear power plant systems and severe accident phenomena
- Ability to work independently while maintaining effective team collaboration
- English communication skills on B2 level

Desired Qualifications

- Basic programming knowledge in any language to support preprocessing and postprocessing activity
- Experience with thermal-hydraulic or severe accident codes (e.g., MELCOR, ASTEC)
- Previous experience in nuclear industry or research
- Ability to manage junior staff
- Knowledge of Czech legislation is preferable but not required



STÁTNÍ ÚSTAV RADIAČNÍ OCHRANY, v.v.i., se sídlem:
Bartošková 1450/28, 140 00 Praha 4 | IČO 86 65 20 52
www.suro.cz | Tel.: 226 518 101 | suro@suro.cz | ID datové schránky: fyy5d7d

Personal Qualities

- Enthusiasm for learning and professional development
- Proactive and self-motivated approach to work
- Good interpersonal and communication skills
- Ability to manage multiple projects simultaneously

We Offer

- Work in an international environment
- Professional development opportunities
- Participation in cutting-edge nuclear safety projects
- Competitive salary and large benefits package including home-office
- Regular training and skill development programs
- Work in strongly supportive nuclear country with long history of nuclear field with growing opportunities in the upcoming new builds

Location

Czech Republic, preferably Prague

This position offers an excellent opportunity for a motivated individual to contribute to nuclear safety while developing expertise in severe accident analysis and simulation.

Interested candidates should submit their CV and a brief cover letter explaining their interest in the position and relevant experience.

Contact for sending CV and a brief cover letter: **martina.hudeckova@suro.cz**

Start date: January 1, 2026, or as agreed.

SÚRO v. v. i. reserves the right to contact only selected candidates.