



Center	Interdisciplinary Research Center for Industrial Nuclear Energy
Job Title	Post-Doctoral Fellow
Job Description	<p>The IRC-INE currently seeks highly qualified post-doctoral candidates with substantial expertise and comprehensive knowledge in various domains related to nuclear energy. We welcome applications from individuals experienced in, but not restricted to, the following areas:</p> <ul style="list-style-type: none">• Nuclear thermal hydraulics• Nuclear materials science• Nuclear reactor design and safety• Nuclear fuel cycle and waste management• Radiation protection and safety• Modeling of nuclear reactor multi-physics• Nuclear fusion technology• Advanced reactor designs• Small Modular Reactors (SMRs) Development• Nuclear safeguards and security• Nuclear energy policy• Instrumentation and control in nuclear• Digital twins and deep learning in nuclear• Nuclear Industry Supply Chain and Infrastructure• Nuclear Data and Benchmarking
Job Responsibility	<ul style="list-style-type: none">• Conduct cutting-edge research aligned with the center's focus on nuclear energy advancements.• Publish research findings in reputable journals.• Collaborate with the research team, fostering interdisciplinary connections and knowledge exchange.• Aid in writing grant proposals and securing funding for ongoing and new research endeavors.• Align efforts with the center's objectives, contributing to its mission of nuclear science and technology advancement.• Teach courses and laboratory sessions in the field of nuclear engineering.
Qualification	<ol style="list-style-type: none">1. A PhD in Engineering or Science fields with a background in Nuclear or radiological applications.2. Demonstrated expertise through previous research projects, publications, and contributions in areas relevant to nuclear energy.3. Strong interpersonal skills and the ability to collaborate effectively within a multidisciplinary team.4. Ability to initiate and drive research projects, innovative thinking, and a passion for advancing knowledge in nuclear engineering.