



<b>Center</b>	<b>Interdisciplinary Research Center for Industrial Nuclear Energy</b>
<b>Job Title</b>	<b>Post-Doctoral Fellow</b>
<b>Job Description</b>	<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"><li>• Nuclear thermal hydraulics</li><li>• Nuclear materials science</li><li>• Nuclear reactor design and safety</li><li>• Nuclear fuel cycle and waste management</li><li>• Radiation protection and safety</li><li>• Modeling of nuclear reactor multi-physics</li><li>• Nuclear fusion technology</li><li>• Advanced reactor designs</li><li>• Small Modular Reactors (SMRs) Development</li><li>• Nuclear safeguards and security</li><li>• Nuclear energy policy</li><li>• Instrumentation and control in nuclear</li><li>• Digital twins and deep learning in nuclear</li><li>• Nuclear Industry Supply Chain and Infrastructure</li><li>• Nuclear Data and Benchmarking</li></ul>
<b>Job Responsibility</b>	<ul style="list-style-type: none"><li>• Conduct cutting-edge research aligned with the center's focus on nuclear energy advancements.</li><li>• Publish research findings in reputable journals.</li><li>• Collaborate with the research team, fostering interdisciplinary connections and knowledge exchange.</li><li>• Aid in writing grant proposals and securing funding for ongoing and new research endeavors.</li><li>• Align efforts with the center's objectives, contributing to its mission of nuclear science and technology advancement.</li><li>• Teach courses and laboratory sessions in the field of nuclear engineering.</li></ul>
<b>Qualification</b>	<ol style="list-style-type: none"><li>1. A PhD in Engineering or Science fields with a background in Nuclear or radiological applications.</li><li>2. Demonstrated expertise through previous research projects, publications, and contributions in areas relevant to nuclear energy.</li><li>3. Strong interpersonal skills and the ability to collaborate effectively within a multidisciplinary team.</li><li>4. Ability to initiate and drive research projects, innovative thinking, and a passion for advancing knowledge in nuclear engineering.</li></ol>