

<b>Center</b>	Interdisciplinary Research Center for Industrial Nuclear Energy (IRC-INE)
<b>Job Title</b>	Post-Doctoral Fellow
<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>	<ul style="list-style-type: none"> <li>▪ A PhD in Engineering or Science fields with a background in Nuclear or radiological applications.</li> <li>▪ Demonstrated expertise through previous research projects, publications, and contributions in areas relevant to nuclear energy.</li> <li>▪ Strong interpersonal skills and the ability to collaborate effectively within a multidisciplinary team.</li> <li>▪ Ability to initiate and drive research projects, innovative thinking, and a passion for advancing knowledge in nuclear engineering.</li> </ul>