

Job Description – Senior Nuclear Innovation Analyst

August 2022

The Nuclear Innovation Alliance (NIA) is an independent not-for-profit organization working to encourage entrepreneurialism, accelerated innovation, and commercialization of advanced nuclear technologies to mitigate climate change. Its mission includes reducing or eliminating barriers to advanced reactor deployment, protecting public health and safety, enabling supportive policies, and coordinating efforts on policy and financing. Through technical, market, and policy analysis, research, convening, and education, NIA informs legislative and regulatory reform as well as programs to bring advanced reactors to market. NIA is funded primarily through charitable grants and philanthropic donations.

NIA seeks a highly motivated senior analyst to contribute to NIA projects and other activities. The ideal candidate will have strong analysis and written communications skills, the ability to understand a technically complex field, and a desire to contribute to climate mitigation. Experience and familiarity in government or industry related to nuclear power is highly desired. This position will assist NIA's Executive Director and Project Managers on project research, reporting, advocacy, and stakeholder engagement.

Position Description

Reporting to the Executive Director, the Senior Nuclear Innovation Analyst will be responsible for contributing to NIA research projects, events, and stakeholder engagement. Possible project areas include:

- Innovative licensing strategies for commercial nuclear reactors in the United States
- Modernizing Nuclear Regulatory Commission regulation of advanced reactors
- Financing and investor engagement
- RD&D policy at the U.S. Department of Energy and other federal agencies
- Advanced nuclear energy's role in deep decarbonization
- Federal and state-level policy inclusion of advanced reactors
- Advanced nuclear fuel cycle analysis, including high-assay low-enriched uranium (HALEU)
- Encouraging entrepreneurship
- International export initiatives including market development, regulatory support, and development finance

Responsibilities

Research, writing, and data analysis (70%)

- Serve as a substantive expert on advanced nuclear energy economics, industry, technical issues
- Scope and lead analyses
- Provide qualitative and quantitative analysis for ongoing NIA projects related to NRC licensing, legislative proposals, and advanced reactor commercialization
- Conduct project-related research, analysis, and reporting
- Interface with subcontractors and assist in supervising interns
- Assist Project Managers in the substance, organization and logistics of NIA workshops, meetings, and events
- Engage with stakeholders, including interactions with advanced nuclear companies, industry

- organizations, NGOs, government agencies, donors, and utilities
- Represent NIA at meetings, hearings, and events

Administration and Organization (30%)

- Assist in communications and outreach, including social media and website
- Assist in organizational and management activities as needed
- Other tasks as assigned by the Executive Director

Qualifications

- Advanced degree in nuclear engineering, mechanical engineering, energy policy, economics, or related field
- Technical proficiency and technology background in nuclear energy or other highly regulated and technically complex industry.
- Experience working on energy economics, energy modeling, or nuclear energy
- Interest in and enthusiasm for advanced nuclear power as a climate mitigation solution
- Strong verbal and written communication skills
- Research and analytic skills to lead analyses for research reports, white papers, and regulatory comments
- Commitment to treating others with consideration and respect, consistent with a positive work environment
- Strong organizational skills and attention to detail

Desirable Qualifications

- Knowledge of advanced nuclear energy technology and policy
- Experience in the Nuclear Regulatory Commission, Department of Energy, or the nuclear industry, particularly with advanced nuclear technologies
- Understanding of Congress, the executive branch, and regulatory agencies

Job Location

- Flexible

Interested candidates should send resume and cover letter to pwhite@nuclearinnovationalliance.org by August 23rd, 2022 at 11:59 PM ET.

Nuclear Innovation Alliance is an equal opportunity employer committed to inclusion and diversity. Applicants will receive consideration for employment without regard to: age, color, disability, gender, national origin, race, religion, sexual orientation, gender identity and/or expression, genetic information, Veteran status, marital or family status, or any other classification protected by federal, state, or local law