



Chemical & Fuel Cycle Technologies Division Director
Requisition #404167
Argonne National Laboratory
Lemont, Illinois (Suburb of Chicago)

Chartered in 1946 as the nation's first national laboratory, Argonne enters the 21st century focused on solving the major scientific and engineering challenges of our time: sustainable energy, a clean environment, economic competitiveness and national security. Argonne is home to a staff of over 3,300 employees including over 1,500 scientists, engineers and postdoctoral scholars and, with world-renowned scientific facilities, hosts over 6,500 facility users annually.

Directorate Overview

The Energy and Global Security (EGS) directorate focuses on an integrated Science and Technology pipeline from discovery to technology to society. The research conducted in the directorate applies knowledge gained through Argonne's basic, fundamental scientific research to specific energy and security challenges. In that sense, EGS bridges the gap between discovery science and applied research. As home to the research from which Argonne was first conceived, nuclear energy research, EGS encompasses a diverse team of scientists, engineers, and technical support staff, all of whom are committed to developing and delivering innovative solutions to address our most pressing energy concerns.

What makes EGS unique? Its people—our world-renowned scientists and engineers and dedicated support staff. This highly capable team pursues big, ambitious ideas that address our country's most pressing energy and security challenges. Our research takes a multidisciplinary approach to solving complex challenges and developing useful technologies that can transform the marketplace and change the world.

Position Summary

The Chemical & Fuel Cycle Technologies Division seeks a Director to inspire and motivate a multi-disciplinary team to focus on improving the visibility and impact of nuclear chemical engineering, medical isotope R&D and nuclear fuel cycle technologies including but not limited to radiochemistry, front-end back-end technologies for nuclear fuel cycles, and chemical separations in the nuclear fuel cycle. The Division Director is responsible for the overall leadership and strategic direction of the division, set short and long-term goals of the division, as well as program development activities. Program development will focus on creating new funding opportunities through the conception of innovative scientific and technical capabilities and identifying new funding sources for new long-term programs. The Director will establish the divisional programmatic goals and objectives and provides technical expertise. Division focus includes front and back-end solutions, including fuel development and qualifications, interim and long-term fuel storage, spent fuel processing, separation technologies, molten salt technologies or applied to nuclear reactors, and radioisotope science. The role anticipates research trends in order to formulate long-range plans, strategies, and new initiatives and assures that programs maintain relevance and effectiveness in a diverse and changing scientific environment. The incumbent coordinates the preparation of divisional reviews, proposals, initiatives, and other communications that lead to funding support for research programs.

As a member of the EGS directorate leadership team and the Laboratory's extended leadership team, the Chemical & Fuel Cycle Technologies Division Director is a strategic partner in aligning the division's strategic goals to the directorate and Laboratory's strategic goals. They will encourage and develop inter-divisional, inter-directorate, and multi-disciplinary research initiatives and collaborations across the Laboratory. Interacts with other Argonne division directors in the planning, coordination, integration, and enhancement of research, development, and assessment activities. The Chemical & Fuel Cycle Technologies Division Director leads a division with 80-100 employees, including temporary employees, with 10 direct report and interacts with other Argonne leadership teams in the planning, coordination, integration, and enhancement of research,



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development, and assessment activities. This position manages programs and interacts with Laboratory, Department of Energy, other government agencies, program sponsors, and industry partners.

Safety, Security, and Environmental Protection: All activities, as they apply to work performed by self or by personnel under supervision, will be executed in compliance with ES&H and security responsibilities established by Argonne National Laboratory's ES&H policies, Safeguards and Security policies, work rules, and safe practices.

Knowledge, Skills and Experience

- Master's or Ph.D. degree in a science or engineering field relevant to nuclear chemical engineering, chemical engineering, materials science, or similar fields, with Ph.D. preferred, supplemented by no less than fifteen years' experience including relevant, demonstrated accomplishments in scientific leadership and management.
- The ability to obtain and maintain a DOE "Q" clearance is mandatory.
- Experience with chemical & fuel cycle technologies research and development and recognition as a national leader in this specified space.
- Strong leadership and management skills in attracting, managing and sustaining a highly competent and diverse interdisciplinary staff and maintaining an open and collegial environment.
- Comprehensive skills and abilities in acquiring and maintaining relationships with multiple sponsors/stakeholders. Preferred candidates will have experience and established relationships with some agencies.
- Considerable skill in oral and written communications skills and the ability to work with high level internal and external contacts while displaying the ability to adapt knowledge to complex situations, communications and leadership issues.

We offer a competitive salary and an excellent benefits package. For consideration, please apply via our website at: <http://www.anl.gov/careers>, refer to requisition #404168.

As an equal employment opportunity and affirmative action employer, Argonne National Laboratory is committed to a diverse and inclusive workplace that fosters collaborative scientific discovery and innovation. In support of this commitment, Argonne prohibits discrimination or harassment based on an individual's age, ancestry, citizenship status, color, disability, gender, gender identity, genetic information, marital status, national origin, pregnancy, race, religion, sexual orientation, veteran status or any other characteristic protected by law. Argonne Laboratory is located about 25 miles southwest of Chicago and is operated by UChicago Argonne, LLC for the U.S. Department of Energy.