



Accelerator Systems Division (ASD) Director
Requisition #401538
Argonne National Laboratory
Lemont, Illinois (Suburb of Chicago)

Argonne invites applications for the position of Director of the Accelerator Systems Division (ASD), one of three divisions comprising the Advanced Photon Source (APS). The APS is a high-brightness, hard x-ray light source and attracts approximately 5,000 scientific users each year. The APS Accelerator Systems Division (ASD) provides engineering and physics support for the Laboratory's Advanced Photon Source (APS) and pursues research and development profitable to the science of accelerators and future light source technologies. Additionally, the APS is currently planning a facility-wide upgrade that will increase the brightness of its x-ray beams by two orders of magnitude.

Basic Purpose:

Provides leadership and vision for all aspects of operation, improvement and development of the Advanced Photon Source (APS) accelerator complex. Provides management expertise to appropriately plan and manage the Accelerator Systems Division's (ASD) human and financial resources to achieve facility operational goals and to support APS Upgrade Project goals.

Directs operations and development activities of ASD scientific, technical and professional services staff to deliver effective and safe operation of the APS accelerator complex. Establishes goals and sets priorities for operational and development activities, monitors progress, and assures timely and successful completion of those activities. Leads ASD strategic planning to ensure effective long-term operation of the facility and integration with APS Upgrade planning. Participates in lab-wide accelerator activities for long-term R&D and facility development. Manages Division operation through the preparation of budgets and personnel plans and monitoring of resources.

As a member of the APS senior management team, contributes to facility-level direction for operations, strategic planning, construction, and R&D at the APS. Promotes strong ties with the APS Engineering Support Division, APS X-ray Science Division and APS Upgrade Project to enable a world-class user program at the APS and a world-leading facility for x-ray sciences at completion of the APS Upgrade Project.

Safety, Security, and Environmental Protection: Demonstrates leadership for safety within the Division and PSC, ensuring that all activities, as they apply to work performed by self or by personnel under supervision, are 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.

Diverse and Inclusive Work Environment: Demonstrates leadership in developing and maintaining a culture in which all employees are given equal opportunities for professional development and advancement, with the goal of allowing all to reach their professional potential. Fosters a climate in which all employees can develop and maintain constructive and rewarding professional relationships. ANL promotes a working environment that fosters openness and in which employees are treated with respect, encouraged to develop their initiatives, and where individual differences are valued.

Responsibilities:

Leads and manages a diverse team of scientific, technical and professional services staff, creating a culture conducive to excellent performance and collaboration. Ensures effective, reliable, safe and efficient accelerator complex operations. Develops and oversees an effective near-term R&D portfolio.

Coordinates closely with the APS Upgrade Project to support APS Upgrade goals and to ensure smooth integration of current APS and accelerator goals and strategies.



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Develops and maintains strong collaborative relationships with X-ray Science Division and APS Engineering Support Division Directors and Argonne management. Fosters a strong and healthy climate of diversity and inclusion. Maintains high standards in Environmental, Safety, Health, and Quality Assurance for all ASD's activities.

Contributes to strategic and tactical planning. Manages the execution of technical scope, costs, and planning schedules for accelerator systems operations, maintenance and improvements. Attracts and develops new staff members in all operational areas. Participates in Argonne Accelerator Institute activities. Prepares reports and presentations. Contributes to oversight technical reviews.

Is responsible for personnel actions in the Division, such as recruitment, promotions, performance evaluations, and salary administration.

Qualifications:

- Comprehensive knowledge of accelerator physics, engineering and technology
- Comprehensive knowledge of the operations of complex, state-of-the-art accelerator facilities, with a minimum of 15+ years of experience in accelerator operations, research, development or construction
- Comprehensive skill in developing creative solutions to complex scientific, technical and management problems
- Experience in managing and maintaining effective interpersonal relationships in a large matrix environment of internal contacts as well as external contacts made up of government, academic, scientific, or industrial institutions is required. Additional experience with managing relationships with the Department of Energy Basic Energy Science Office, user communities or other light source environments is preferred
- Experience in making critical decisions and exploiting opportunities for efficient operations in managing large multi-million dollar budgetary resources is preferred
- An advanced degree in a relevant technical field is preferred
- Comprehensive skills in motivating and managing people

Other:

This position description documents the general nature and level of work, but is not intended to be a comprehensive list of all activities, duties and responsibilities required of job incumbent. Consequently, job incumbent may be required to perform other duties as assigned.

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.

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 #401538.

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.