



X-Ray Science Division (XSD) Director
Requisition #400514
Argonne National Laboratory
Lemont, Illinois (Suburb of Chicago)

Argonne invites applications for the position of Director of the X-Ray Science Division (XSD), 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 XSD mission is to enable world-class research using x-rays, by both developing cutting edge x-ray instrumentation and techniques and by operating beamlines for the APS user program. XSD operates over 35 beamlines and has over 225 employees. 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.

The XSD Division Director will lead beamline development and strategy to take advantage of this leap in source performance and provide high-level direction and guidance for the instrumentation R&D, x-ray optics, detector and scientific software activities. In addition, the X-ray Science Division Director is expected to work with other Argonne Division Directors and APS Partners outside Argonne to integrate their programs into APS strategies. As a member of the APS senior management team, the XSD Division Director will support the APS Director's Office in the development of new scientific directions for the facility, and assure efficient and safe operation of current XSD programs.

Qualifications:

- A PhD in a relevant scientific/technical field is required.
- A minimum of 15+ years experience is required including preferred background in developing x-ray beamlines or comparably complex scientific instrumentation.
- Comprehensive knowledge of, and a high scientific reputation in, the application of synchrotron radiation, in at least one of the areas aligned with the strategic direction of a high brightness, hard x-ray source is required.
- 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 managing safe, efficient operations in a large scientific/research environment is preferred.
- Experience developing, managing, and motivating a high-performing and diverse population of multi-disciplinary scientific, technical and professional support teams is preferred.
- Experience in the strategic incorporation of talent management and diversity and inclusion programs in overall workforce planning is preferred.

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://1.usa.gov/1PTXlj>, refer to requisition #400514. To ensure full consideration, applications should be received no later than Monday, February 1, 2016. The position will remain open until filled.

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.