



STEPHEN STREIFFER

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Stephen Streiffer is the Deputy Laboratory Director for Science and Technology, Interim Associate Laboratory Director for Photon Sciences directorate, and Director of the Advanced Photon Source at Argonne. The Photon Sciences directorate consists of the X-ray Science, Accelerator Systems and Advanced Photon Source Engineering Support divisions, which comprise the Advanced Photon Source (APS); and the Argonne Accelerator Institute.

The APS is the brightest source of high-energy X-rays in the Western Hemisphere and is used to study the structures of materials and processes at the atomic scale. It is also one of the largest scientific user facility in the North America, with more than 5,500 users visiting each year.

He has also served as interim director of Argonne's Center for Nanoscale Materials, a national user facility that provides capabilities explicitly tailored to the creation and characterization of new functional materials on the nanoscale. The center's portfolio includes research on electronic and magnetic materials and devices, nanobio interfaces, nanofabrication, nanophotonics, theory and modeling, and X-ray microscopy.

Streiffer's scientific expertise is in structural characterization of materials particularly using transmission electron microscopy and X-ray scattering techniques. He has authored or co-authored more than 150 scientific publications and holds one patent.

He is one of the founding co-chairs of the National Virtual Biotechnology Laboratory (NVBL). The NVBL is a consortium of all seventeen Department of Energy National Laboratories founded in March 2020 to address key challenges associated with the COVID-19 crisis. The NVBL brought together the broad scientific and technical expertise and resources of the National Laboratories to address medical supply shortages, discover potential drugs to fight the virus, develop and verify COVID-19 testing methods, model disease spread and impact across the nation, and understand virus transport in buildings and the environment.

Streiffer holds a PhD degree in materials science and engineering from Stanford University and a BS degree in materials science and engineering from Rice University.