



# Small-angle Scattering Seminar Series

Organized by SAXS-SIG, Advanced Photon Source

A monthly seminar series, organized by Small Angle X-ray Scattering Special Interest Group (SAXS-SIG) at Advanced Photon Source, is focused on discussing, celebrating, and learning from new frontiers of science, research, and development based on small-angle scattering (SAS). This is a monthly seminar organized virtually over ZOOM where the speaker will be invited by SAXS-SIG. In order to join the seminar please subscribe to the small-angle mailing list here: <https://mailman.aps.anl.gov/mailman/listinfo/small-angle>

## Upcoming Seminar

**Date:** Feb 23, 2022

**Time:** Wed, 11:00 AM (CST)

**Speaker:** Willam Heller

**Institution:** SNS, ORNL

**Title:** Small-Angle Neutron Scattering Instrumentation and Opportunities at Oak Ridge National Laboratory

**Abstract:** Oak Ridge National Laboratory is home to two neutron sources, the High Flux Isotope Reactor (HFIR) and the Spallation Neutron Source (SNS). These facilities supply high-intensity neutron beams to instruments that are used for a wide variety of research topics including biology, physics, chemistry, and materials science by researchers from across the globe. The HFIR is home to two small-angle neutron scattering (SANS) instruments, while the SNS is home to a SANS instrument and an ultra-small-angle neutron scattering (USANS) instrument. I will present an overview of the neutron sources, the SANS and USANS instruments, as well as sample environments and associated supporting facilities. I will also present the on-going developments related to the Second Target



**William Heller:** Senior Research Scientist, SANS and Spin Echo Group Leader, Large Scale Structures Section, Neutron Scattering Division, Oak Ridge National Laboratory

Station at SNS and opportunities for SANS instruments there.

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