

## **Grazing Incidence Small Angle Neutron Scattering (GISANS) Summit**

**19 June 13:00-15:30**

Grazing-incidence small-angle neutron scattering (GISANS) is a scattering technique used to study nanostructured surfaces and thin films using neutrons. This technique makes it possible to characterize different types of surfaces and surface films on a nanometer scale. Based on the unique knowledge obtained we will be able to, for example, develop new drugs or new materials for building elements, infrastructure, energy storage and vehicles. The aim is to promote and coordinate the efforts to build a Swedish GISANS instrument at ESS.

The discussion will be initiated by two keynote speakers:

- Prof Thomas Hellweg, Physical and Biophysical Chemistry, Bielefeld University, Germany, who will give a GISANS introduction and talk about his GISANS work on responsive gel particles on surface.
- Dr. Thomas Arnold, ESS (responsible for the Freia reflectometer), who will talk about the complementarity of GISANS and GISAXS and the ESS perspective of a Swedish GISANS instrument at GISANS.

After these two talks we will have a discussion moderated by Professor Mark Rutland, KTH, Stockholm.

If you want to make a short 1 slide pitch for a specific science case where you know GISANS or Off specular scattering will be beneficial please notify Tommy Nylander (Email: [Tommy.Nylander@fkem1.lu.se](mailto:Tommy.Nylander@fkem1.lu.se)). We will devote most of the time for a constructive discussion regarding the Swedish GISANS initiative. In order to get a rough estimate of participant number, please notify ([Tommy.Nylander@fkem1.lu.se](mailto:Tommy.Nylander@fkem1.lu.se)) Meeting is sponsored by KTH Royal Institute of Technology, Stockholm, Sweden.