



Connecting Industrial R&D Staff to State-of-the-Art Neutron Methods

4th Webinar: Non-destructive testing with neutrons: Revealing (micro-) structural properties and providing unique contrast inside large samples and assembled components

25 November 2020 at 15:00 (CET)

Dr. Robin Woracek, European Spallation Source

Instrument Class Coordinator for Imaging and Engineering, Instrument Scientist for Test Beamlines and Engineering

Dr. Woracek is the Instrument Class Coordinator for Imaging and Engineering at the European Spallation Source and has key interest in enabling industry to benefit from the unique capabilities at large-scale facilities and to create a positive societal impact.

While and after obtaining his degree in Mechanical Engineering (Dipl.Ing.) in Germany, he worked for an automotive company and has experienced the broad range of materials and processes that need to be monitored and improved to enable innovation. In 2006, Robin received a Fulbright scholarship and worked on his MS degree at the University of Tennessee, Knoxville in collaboration with General Motors on the characterization of lost foam casting processes of aluminum engine blocks.

From 2009, he continued his PhD research at the University of Tennessee in close collaboration with the Helmholtz Zentrum Berlin (Germany) and Oak Ridge National Laboratory (USA) and succeeded in establishing diffraction based contrast mechanisms in neutron imaging for the study of crystalline materials.

Robin joined the European Spallation Source in 2015, was responsible for the operation of a dedicated neutron test beamline in Berlin until 2019, and recently relocated to Sweden.

