

*Title: Basic Principles of Tomography and Application to the Nanoscale World  
Speakers: Dr. Zineb Saghi, CEA-LETI, MINATEC Campus, France*

*Abstract: In our first meeting of the year, Dr. Zineb Saghi will speak on the basic principles of tomography and its application to the nanoscale world. Tomography is a non-invasive technique that consists in acquiring a set of images at different projection angles, and using dedicated mathematical tools to retrieve the 3D object. Tomography is well-established in the medical field, and has recently been transferred to Materials Science for the 3D characterization of nanoscale structures using transmission electron microscopes. In this talk, we will present the basics of the technique and show how it is used in practice to explore the Nanoworld in 3D.*