Contribution ID: **113** Type: **Oral Presentations**

XAFS as a tool to obtain chemical states and local structures

Thursday, 31 January 2019 11:25 (25 minutes)

X-ray Absorption Fine Structure (XAFS) is one of the most widely used methods at synchrotron facilities. XAFS is a suitable nondestructive method to observe chemical states elements and local structures around elements of interest in not only crystalline or solid but also amorphous or liquid samples. From a crystallographic point of view, If we have crystalline samples, it's good to perform XRD experiments to obtain information on crystal structures. When we are, however, interested in local structures of a certain element in a sample, XAFS can be a powerful tool. In other words, XAFS can provide complementary information to XRD.
We would like to share some XAFS studies.

Primary author: Prof. ABE, Hitoshi (Photon Factory (PF), Institute of Materials Structure Science (IMSS), High Energy Accelerator Research Organization (KEK))

Presenter: Prof. ABE, Hitoshi (Photon Factory (PF), Institute of Materials Structure Science (IMSS), High Energy Accelerator Research Organization (KEK))

Session Classification: AfLS2

Track Classification: AfLS2 track