

**January 18 – 20, 2022 @ 9:00 am – 1:00 pm**  
**Birck Nanotechnology Center Rm1001 and 2001**

# Introduction to CasaXPS

## What we should know about XPS data analysis with CasaXPS

### Course Objectives:

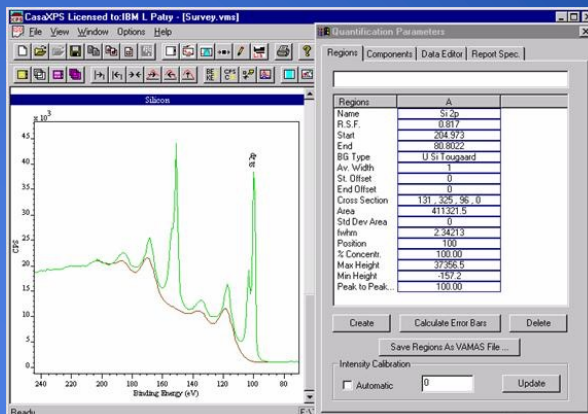
Learn the CasaXPS software and:

- What analysis/treatment should be applied to raw XPS data.
- How to perform qualitative and quantitative analysis of the XPS data using CasaXPS
- Case studies based on participant's XPS data

### Course Description:

XPS is widely used to determine the chemical composition of a surface (element concentrations, chemical states, lateral and depth distributions, etc.) Nowadays XPS has become a standard technique for the characterization of solid surface. However, XPS data require thorough analysis, and dedicated software is used for data analysis. Purdue University has a site license for CasaXPS allowing complete analysis of XPS data. The course aims to teach (1) what analysis should be applied to raw XPS data and (2) how this can be done using CasaXPS. Qualitative and quantitative analysis of XPS data using CasaXPS will be discussed in detail as well.

This is practical workshop, and an attendee is strongly recommended to bring their own laptop (Windows). The instruction how to install CasaXPS will be submitted before the workshop beginning.



### Instructor:

Dmitry Zemlyanov,  
PhD, Senior Surface Science Application Scientist, Birck  
Nanotechnology Center, Purdue University



**Total Cost:** \$250 (lunch will be provided)

**Registration at:** <https://forms.gle/GJPLr58Yqugry5Mk6>

