

GRADUATE SCHOOL EES



XPS Workshop

Goal

The workshop mainly aims at researchers who (plan to) use service XPS in their studies.

You will learn about the fundamentals, the potential and the restrictions of the method.

The main goal of the workshop is to improve your skills in preparing your XPS measurements and in peak fitting / interpreting the measured spectra.

Schedule

The workshop will mainly be held online but you will also perform an XPS measurement in groups of two. These measurements can either be done at the IAM-ESS with Vanessa Trouillet for researchers from Karlsruhe or at the HIU with Thomas Diemant for researchers from Ulm. Individual appointments will be made for this with the groups.

Session	Format	Date 2020
Introduction	Online lecture	20. Oct. 09.00 h (ca2h)
Solve work sheet	Individually	Until 23. Oct.
Discussion of work sheet	Online seminar	27. Oct. 09.00 h (ca2h)
XPS in battery research	Online lecture	27.Oct. 13.00 h (ca2h)
XPS measurement	In the lab	22. – 30. Oct. (1h per group)
Demonstration of peak fitting	Online lecture	03. Nov., 09.00 h (ca 2 h)
Exercise for peak fitting	Individually	03. Nov., 13.00 h (ca 4 h)
Discussion/interpretation of peak fitting results	Online seminar	04. Nov., 11.00 h (ca 2 h)
Conclusion	Online seminar	04. Nov., 13.00 h (ca 1 h)

Registration

Please register [online](#)

The number of participants is restricted to 12 in Karlsruhe and 12 in Ulm. First come, first served.

The workshop is open for GS-EES, CELEST and HIU members.
GS-EES members will gain 1 CP within „Scientific Training“