

Interdisciplinary Materials Research through the lens of Environmental XPS

Elizabeth Willneff

The talk approaches interdisciplinary surface science from the perspective of NAP XPS of real-world materials. As instrumentation develops, surface science techniques such as NAP XPS are becoming more accommodating of a diverse range of materials, lab environments and user communities. The talk covers work with NAP - or 'environmental' - XPS which is being done with the SPECS EnviroESCA to understand the surface, interfacial and bulk properties of materials including examples from biological and other organic systems. Some of the opportunities and challenges one faces when bringing surface science techniques to an interdisciplinary audience are also mentioned.