



# PETRA IV Workshop - Earth, Environment, and Materials for Nanoscience and Information Technology

## Wednesday 4 November 2020

**Non-destructive Analysis of Environmental, Geochemical, and Cultural Heritage Samples under Ambient Conditions: --**

**Blue Zoom Room --, Chair: Gerald Falkenberg, Edmund Welter (16:00 - 18:15)**

time	[id] title	presenter
16:00	[66] Application of XAS in Environmental Sciences	MIKUTTA, Christian
16:20	[67] Investigation of metal(loid) distribution and speciation in plants by $\mu$ XRF and $\mu$ XANES on frozen-hydrated and living samples	KUEPPER, Hendrik
16:40	[68] Preservation of organic matter in soil: Nano-imaging and spectroscopy from carbon to phosphorus	EUSTERHUES, Karin
17:00	Coffee Break	
17:15	[69] Synchrotron Radiation for (painted) Cultural Heritage	VANMEERT, Frederik
17:35	[70] Micro-spectroscopy in Earth Science	WILKE, Max
17:55	[71] Quantitative large volume main and trace element tomography for sample return missions	BRENNER, Frank