



Contact: Dr. Andrea Fantin (TU Berlin / HZ Berlin)

**subgroup meeting “Large scale facility-based techniques”
2nd November 2021**

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List of confirmed speakers and tentative topics:

8.45 – 9.05 A. Fantin (TU Berlin & HZB): *Introduction to large-scale facilities & synchrotron radiation;*

First part: diffraction-based techniques

9.05 – 9.30 P. Suarez Ocano (BAM, Germany) *In-situ monitoring of growing oxidation of the Chemically Complex Alloy AlMo_{0.5}NbTa_{0.5}TiZr in the High Temperature Regime using synchrotron radiation.*

9.30 – 9.55 E. Zaiser (TU Berlin, Germany) *Using synchrotron diffraction to determine lattice parameters of compositionally complex alloys*

9.55 – 10.20 S. Checchia (ESRF, France) *Pair Distribution function technique and preliminary results on hcp HEA Al₁₅Sc₁₀Ti₂₅Zr₂₅Hf₂₅*

10.20 – 10.55 A. Minelli (University of Oxford, UK) *Diffuse scattering: a useful tool for looking at local disorder*

10.55 – 11.15 Break

Second part: spectroscopy-based techniques

11.15 – 11.40 K. Yusenko (BAM, Germany) *Studies of high-entropy alloys using X-ray absorption fine structure at the BAMline*

11.40 – 12.05 A. Smekhova (HZB, Germany) *Synchrotron-based studies of high-entropy alloys on atomic scale: a focus on Alx-CrFeCoNi*

12.05 – 12.30 G. O. Lepore (Università degli studi di Firenze, Italy): *X-ray absorption spectroscopy technique and preliminary results on hcp HEA Al₁₅Sc₁₀Ti₂₅Zr₂₅Hf₂₅*

12.30 – 12.55 S. Kasatkov (Saint-Petersburg state University, Russia): *Investigation of chemical and electronic properties of CCAs/HEAs by means of X-ray spectrosc*