

Session Program

26-29 May 2019



10th Workshop on NEUtron WAVElength Dependent Imaging

Applied Bragg edge imaging

Paul Scherrer Institut, OSGA/EG06
Laboratory for Neutronscattering and Imaging Forschungsstrasse 111 5232 Villigen PSI Switzerland

Monday 27 May

16:15

Applied Bragg edge imaging: Applied Bragg edge imaging I

Session |

Location: Paul Scherrer Institut, OSGA/EG06, Laboratory for Neutronscattering and Imaging Forschungsstrasse 111
5232 Villigen PSI Switzerland |

Convener: Filomena Salvemini

16:15–16:30

Bragg Edge imaging for the visualization of engineered residual stresses in additive manufacturing obtained through Laser Shock Peening

Speaker

Manuel Morgano

16:30–16:45

Study of Laser Shock Peening with Bragg Edge Imaging on Different Beamlines

Speaker

Ranggi Sahnura Ramadhan

16:45–17:00

Optimization of crystal growth and material parameters through in-situ energy-resolved neutron imaging

Speaker

Anton Tremsin

17:00–17:15

Energy-resolved in-operando neutron imaging of lithiation and delithiation mechanism in graphite electrodes in rechargeable Li-ion batteries

Speaker

Monica-Elisabeta Lacatusu

17:30

Wednesday 29 May

09:30

Applied Bragg edge imaging: Applied Bragg edge imaging II

Session |**Location:** Paul Scherrer Institut, OSGA/EG06, Laboratory for Neutronscattering and Imaging Forschungsstrasse 111
5232 Villigen PSI Switzerland |**Convener:** Manuel Morgano

09:30–09:45

Imaging investigation of Chinese bimetallic sword fragment from 2nd-1st century BCE

Speaker

Anna Fedrigo

09:45–10:00

Electrum plated coins. A novel approach for forensic analysis of numismatics materials

Speaker

Filomena Salvemini

10:00–10:15

Energy-resolved analysis of neutron transmission of molten lead bismuth eutectic

Speaker

Yojiro Oba

10:15–10:30

Analysis of a FeNi meteorite and Ni super alloy by energy-dispersive neutron transmission experiments

Speaker

Dr F. Malamud

10:30