

Session Program

Dec 7 - 8, 2021



MLZ User Meeting 2021

Poster Session II

Wed, December 8

10:30 AM

Poster Session II

Poster Session | Location:

Improvement of the thermoelectric properties of PEDOT:PSS films via DMSO addition and DMSO/salt post-treatment resolved from a fundamental view

Speaker

Suo Tu

Silicon detector for neutron beta decay measurements with PERC

Speaker

Manuel Lebert

Printed block copolymer templated ZnO photoanodes for photovoltaic applications

Speaker

Ting Tian

Decoding the Self-assembled Plasmonic Nano-structure in Colloidal Quantum Dots for Photodetectors

Speaker

Tianfu Guan

Dynamic structure evolution of extensively de-lithiated high voltage spinel $\text{Li}_{1+x}\text{Ni}_{0.5}\text{Mn}_{1.5}\text{O}_4$ $x < 1.5$

Speaker

Nicola Jobst

Self-compensated Neutron Super Mirror Magnetic Yoke to Reduce Stray Fields

Speaker

Earl Babcock

Tailoring the Optical Properties of Sputter-Deposited Gold Nanostructures on Nanostructured Titanium Dioxide Templates

Speaker

Suzhe Liang

Functionalizing cellulose nanofibril films

Speaker

Stephan Roth

Influence of Hofmeister Salts on the Swelling Behavior of PNIPMAM Thin Films

Speaker

Julija Reitenbach

Co-Nonsolvency Transition of PNIPMAM-based Block Copolymer Thin Films in Water/Acetone Mixtures

Speaker

Peixi Wang

Critical Review of symmetry and structure relationships in graphite intercalation compounds (GICs) and their practical use for lithium ion battery materials

Speaker

Dr Stefan Seidlmayer

Fast Neutron Imaging with Semiconductor Nanocrystal Scintillators

Speaker

Kostiantyn Sakhatskyi

X-ray Diffraction Studies on the Lithiation of LiAl Electrodes for Lithium Ion Batteries

Speaker

Mr Thien An Pham

Na-ion diffusion in NASICON solid electrolyte material studied by Quasi-Elastic Neutron Scattering

Speaker

Ivana Pivarníková

In-situ characterisation of the newly developed VDM® Alloy 780 via x-ray diffraction using synchrotron radiation

Speaker

Massimo Fritton

Interfacial structure and dynamics for PbS quantum dot solar cells

Speaker

Huaying Zhong

Operando study of humidity on the performance of perovskite solar cell

Speaker

Mr Kun Sun

Evaluation and comparison of scattering data driven molecular dynamics simulations of water models

Speaker

Veronika Reich

Elemental characterization by PGAA to support decommissioning activities

Speaker

Eros Mossini

Water Dynamics in Aqueous Poly(N-isopropylacrylamide) Solutions with a Methanol Cosolvent

Speaker

Alfons Schulte

Effects of polymer block length asymmetry and temperature on the nanoscale morphology of thermoresponsive double hydrophilic block copolymers in aqueous solutions

Speaker

Apostolos Vagias

Structure and dynamics of supramolecular poly(ethylene) oxide polymer blends

<p>Speaker Ana Brás Würschig</p>
<p>Self-assembly of polymer coated iron oxide nanoparticles in magnetic field</p> <p>Speaker Vladislava Fokina</p>
<p>Superstructure in inverse perovskite nitrides</p> <p>Speaker Lukas Link</p>
<p>Optimization of printed Perovskite Solar Cells using X-Ray scattering</p> <p>Speaker Christoph Lindenmeir</p>
<p>Investigating the HiPIMS deposition of gold onto polymers</p> <p>Speaker Yusuf Bulut</p>
<p>Design, Fabrication and Nano-Scale Characterization of Novel SEI Layers</p> <p>Speaker Zhuijun Xu</p>
<p>Investigation and Tuning of Slot-Die Coated Perovskite Solar Cells Using X-Ray Diffraction</p> <p>Speaker Mr Andrea Vitaloni</p>
<p>A Unique Quenching and Deformation Dilatometer for Combined In Situ Neutron Diffraction Analysis of Engineering Materials</p> <p>Speaker Xiaohu Li</p>
<p>Hybrid Energy Harvester based on Triboelectric Nanogenerator and Solar Cell</p> <p>Speaker TIANXIAO XIAO</p>
<p>Thin film fabrication in a new laboratory</p> <p>Speaker Sabine Pütter</p>
<p>GISANS study on whey protein and titania interfaces: Influence of pH on spray deposited biohybrid film morphology</p> <p>Speaker Mr Julian E. Heger</p>
<p>Tack Properties of Pressure-Sensitive Adhesives: Development of Industry-conform Measurement Techniques</p> <p>Speaker Volker Körstgens</p>
<p>Grating incidence scattering as a method to understand the influence of non-halogenated solvents on the morphology of organic solar cells</p>

Speaker

Lukas Spanier

Magnetic phase diagram of Dy/Co superlattices

Speaker

Marina Makarova

12:00 PM