

High Resolution Depth Profiling HRDP-10

Online Meeting November 9 and 10 2021

Day 1 9th of November 2021

Themes

Surface Analysis

Depth Profiling of thin layers

Time (Adelaide time)	Speaker	Title
Session 1, Chair Gunther Andersson		
7:00	Gunther Andersson	Conference opening
7:05	Gregor Hlawacek	Scanning Transmission Ion Microscopy in the Helium Ion Microscope for nanoparticle research
7:20	R. D. Kolasinski	Deciphering the behavior of chemisorbed hydrogen on surfaces using multi-angle scattering and recoil maps
7:35	David Jamieson	Near surface probe of electric fields by ion induced charge from keV ions for quantum computer devices
7:50	Sarah Harmer	Surface Analysis of Transition Metal Sulfides and the Detection of Minority Species
8:05	M.C. Adam	Surface Debye temperature measured by LEED and its relationship with defect concentration in epitaxial films
8:20	B. Konrad	A study on the aging of embedded Ag nanoparticles by medium-energy ion scattering
Session 2, Chair Lyudmila Goncharova		
8:35	R. Megginson	A MEIS study of the thermal behaviour of Cu and Au nanoparticles grown on CeO ₂ thin films
8:50	Greg Metha	Depth Profiling of Metal-Oxide Layers Over Metal Clusters Using High Resolution Electron Microscopy
9:05	Anand Kumar	Ion Specificity within Adsorption/Desorption of Inorganic Ions at Liquid Surfaces
9:20	I. Alencar	Validating a simple procedure for thickness evaluation of thin films by medium-energy scattering of hydrogen and dihydrogen cations
9:35	Discussion presenters	
10:15	Closing of the day, opening of breakout rooms and meeting of the international committee.	

Day 2 10th of November 2021

Themes

Analysis using Electrons

Depth Profiling of Buried Interfaces

Time (Adelaide time)	Speaker	Title
	Session 3, Chair Anders Barlow	
7:00	Lyudmila Goncharova	Opening of the Day
7:05	Peter Sigmund	Progress in Understanding Low-Velocity Electronic Stopping
7:20	H. Trombini	Elucidating the depth profiling of ions implanted into 2D and 3D samples by electron backscattering
7:35	Radek Holeňák	Versatile applications of a 3D transmission setup using keV ion energies
7:50	Rene Heller	RBS HEDGEHOG – A New 680 msr ultra-high sensitivity RBS Setup
8:05	M. Hans	Photochromic Mechanism and Dual-Phase Formation in Oxygen-Containing Rare-Earth Hydride Thin Films
	Session 4, Chair Yanting Yin	
8:20	Erica Wanless	What can neutron reflectometry reveal about polymer brushes?
8:35	C. Ekeruche	Characterization and properties of SiGeSn alloys fabricated by ion implantation
8:50	Anton Le Brun	Nanoscale Structural Determination at Surfaces and Interfaces Using Neutron Reflectometry at ANSTO
9:05	DaeWon Moon	Recent Activities of MEIS R&D in Korea
9:20	Anusmita Chakravorty	Investigation of damage build-up in semiconductors by 300 keV Ar irradiation using Channeling-Rutherford backscattering spectrometry
9:35	Mark Schlossman	Nanoscale Profiling of Organic Layers at Deeply Buried Liquid-Liquid Interfaces Using X-ray Reflectivity and Fluorescence
9:50	Discussion presenters	
10:15	Closing of the day and opening of breakout rooms.	

Times for the meeting in various time zones

For checking time zones, you can use

<https://www.timeanddate.com/>

Time zone	Time for meeting
ACDT	Adelaide: 7:00 – 10:15 am
AEDT	Australian East cost: 7:30 – 10:45 am
EST	US East coast: 3:30 - 6:45 pm
PST	US West coast: 12:30 - 3:45 pm
CET	Central Europe: 9:30 pm - 12:45 am
BRT	Brazil: 5:30 - 8:45 pm
KST	Seoul: 5:30 - 8:45 am
SGT	Singapore: 4:30 - 7:45 am