9th March 2010

	Session 4 (Plenary Lectures) Chair: H. Fraser Co-chair: M. Schowalter	
Time	**Speaker**	**Title**
0900-0935	S. Ranganathan	A Comparative Study of Zone Axis Pattern Maps from Cubic & Frank's Hexagonal-cubic Crystals and Decagonal & Icosahedral Quasicrystals
0935-1010	Rafal E. Dunin-Borkowski	Progress towards quantitative off axis electron holography of charges, mean inner potentials and magnetic moments
1010-1045	Louise E. Anderson	Enzyme-Enzyme co-localization and interaction in the Calvin cycle
1045-1120	J. Driver	Strain mapping by high resolution EBSD
1120-1135	**TEA**	
1135-1305	**Session 5 (Plenary Lectures) Chair: A. K. Suri Co-chair: M. Vijayalakshmi**	
1135-1205	Joerg R. Jinschek	Advanced S/TEM research: atomic-scale characterization of applied nanostructures
1205-1235	Uwe Schubert	The Helium Ion Microscope: Technology and Applications
1235-1305	F. Horréard	3D Atom Probe and NanoSIMS for nano-scale chemical analysis
1305-1400	**LUNCH**	
1400-1615	**Parallel Sessions 6**	
	Session 6A Chair: S. F. D'Souza Co-chair: A. K. Jain	
1400- 1425	Petra Natascha Niermann	CamScan –Superior Electron Optics By Design
1425- 1450	Daniel Goran	Using fast simultaneous EBSD/EDS measurements to study the formation of Sigma and Chi phases in duplex steels
1450-1515	Michael Melzer	High Pressure Freezing and microwave-assisted tissue processing for transmission electron microscopy in plant research
1515-1535	S. Singh	Study of Macromolecular Complexes Using Cryoelectron Microscopy and Image reconstruction
1535-1555	J. Bellare	Cryo Techniques for Electron Microscopy of Surfactants from elevated temperatures
1555-1620	J. K. Sainis	Visualizing DNA and DNA-Protein interactions of rice recombinase using TEM
	Session 6B Chair: J. Driver Co-chair: I. Samajdar	
1400- 1425	Steve Hant	The X-max Large area SDD detector – Open up a new world of analysis
1425- 1450	Tobias Salge	From EDS Microanalysis towards Nanoanalysis: Mineralogical, Semiconductor and Photovoltaic Applications on Bulk Samples using Silicon Drift Detectors (SDD)
1450-1515	G. K. Dey	Electron Microscopy of Micropyretic Synthesis of Intermetallic compounds
1515-1540	M. Vijayalakshmi	SEM-Electron back scattered diffraction for evaluation of grain boundary character distribution in 9Cr-1Mo Ferritic steel
1540-1600	P. Ayyub	Microstructure-property correlations in Nano-nanocomposites
1600-1620	S. Suwas	Electron back-scatter diffraction study of deformed and annealed materials
	Session 6C Chair: V. Jayram Co-chair: B. S. S. Daniel	
1425- 1450	T. Sai Kamaraju	Technology Advancements in HRTEM & FE-SEM
1400- 1425	David J. Prior	Understanding material processes through time-series analysis of microstructural changes during high temperature processing of metals, ceramics and minerals
1450- 1515	Christoph T. Koch	Mapping Strain by Dark-field Inline Electron Holography
1515- 1535	P. V. Satyam	In-situ TEM studies: Temperature dependent real time studies on shape variations in nanostructures
1535-1555	V. Pancholi	Microstructural evolution in mild steel during multiaxial forging
1555-1615	A. K. Srivastava	Microstructural Characterization of Pulsed-laser deposited thin Films of Type 304 Stainless Steel
	Session 6D Chair: S. Ranganathan Co-chair: R. Banerjee	
1400- 1425	Mikio Suzuki	The latest in Aberration Corrected Microscope and its applications
1425- 1450	H. R. Tietz	New Design of Image Detectors for Transmission Electron Microscopy based on Fiber Optic Coupled CMOS Devices
1450- 1515	Milan K. Sanyal	Electron Diffraction and X-Ray Scattering Studies of MBE-grown Silicon-Germanium Quantum Structures
1515- 1535	A. Chakrabarti	Microscopic studies of RIB target materials and ion induced nanostructures
1535-1555	P. Ghosal	Microstructural Characterization of Composites containing Carbon nanotubes and Carbon nanofibers
1555-1615	S. Chakravorty	Characterization of Nanocomposites using Transmission Electron Microscopy
1615-1635	**TEA**	
1635-1755	**Parallel Session 7**	
	Session 7A Chair: Peter Van Aken Co-chair: P. Barat	
1635-1655	S. K. Gupta	Growth of semiconductor nano-structures and their application as gas sensors
1655-1715	D.K. Aswal	Structure-property correlations in organic monolayers and films
1715-1735	D. V. Sridhara Rao	TEM techniques for III-V compound semiconductors
1735-1755	T. K. Chini	Cross-sectional Transmission Electron Microscopy and Small Angle X-ray scattering investigation of Medium keV Ar-ion-induced Patterned Surface Nanostructures in Si
1635-1755	**Session 7B Chair: H. Kohl Co-chair: S. Suwas**	
1635-1655	P.V.A. Padmanabhan	Characterization and Photocatalytic Property of Plasma Synthesized Nano-crystalline Titanium oxide
1655-1715	S. M. Yusuf	Study of Magnetic Nanomaterials using TEM and Other Techniques
1715-1735	R. Divakar	HRTEM of Oxide Nanostructures
1635-1755	**Session 7C Chair: D. Cherns Co-chair: K. Madangopal**	
1635-1655	N. Saibaba	Development Of Heat Treated Zr – 2.5 Wt% Nb Pressure Tube And Its Microstructural Characterization Using Electron Microscopy Techniques
1655-1715	E. Ramadasan	Microstructural evolution in heat treated Zr-2.5%Nb pressure tube material subjected to dilatometric studies
1715-1735	D. Srivastava	Grain refinement of Zr-2.5 Alloy by Hydrogenation and Deformation
1735-1755	S. Bysakh	Effect of Substrate and Thickness on the Phase Evolution in Sputter Deposited PZT Thin Films
1635-1755	**Session 7D Chair: A. Rosenauer Co-chair: P. V. Satyam**	
1635-1655	S. B. Roy	Production of Uranium oxide from differently sourced Uranium concentrate and study of SEM micrograph
1655-1715	G. P. Kothiyal	Microstructural studies on some silicate and phosphate based glass-ceramics
1715-1735	B.S.S. Daniel	Microstructural control in the processing of aluminum foam
1735-1755	A. Dasgupta	Severe plastic deformation of alpha+beta Ti-5Ta-1.8Nb alloy by cryo-rolling
1800	**CULTURAL PROGRAMME and DINNER**	