

7th March 2010

1600 - 1900	Registration at Training School Hostel
1930	Dinner

8th March 2010

Time	Programme	
0700-0730	Breakfast	
0715-0745	Distribution of Security Badges	
0800	Departure for Security Clearance	
	Session 1 (Inauguration)	
0900-0905	Welcome address : A. K. Suri	
0905-0925	Inaugural Address : President, EMSI	
0925-1000	Keynote Address : S. Banerjee	
1000-1015	Felicitation Function	
1015-1050	D. Banerjee	
1050-1105	HIGH TEA	
1105- 1250	Session 2 (Plenary Lectures) Chair: Rafal E. Dunin-Borkowski Co-chair: G. K. Dey	
	Speaker	Title
1105-1140	H. Fraser	Pushing to the Limits of Spatially-Resolved Compositional Determinations in Aberration-Corrected Scanning Transmission Electron Microscopy
1140-1215	J. Mayer	Applications of Aberration Corrected TEMs in Materials Science
1215-1250	K. Chattopadhyay	Structure and Microstructure Evolution in Mechanically Driven System
1300-1315	Inauguration of Exhibition	
1315-1400	LUNCH	
1400-1620	Parallel Sessions – 3	
	Session 3A	Chair: M. Melzer Co-chair: J. Bellary
1400- 1425	A. Basu	Electron Microscopy and Emerging Infectious Diseases: A Special Reference to India
1425- 1450	K. Ray	Electron Microscopic Analysis of the Loss of Kinesin-2 Functions in Drosophila: Anatomical Comparison Between the Wild Type and Mutant Fly Brains
1450-1515	G. Vanage	Cabyr Biogenesis Demonstrates Role of Spindle Shaped Body in Fibrous Sheath Assembly
1515-1540	A. K. Jain	Oxidative Stress in Pathogenesis of Psoriasis: A New Clue to Unresolved Mystery
1540-1600	D. Panda	Interplay Between Mitosis and Apoptosis: Acetylated Microtubules are Kinetically Stabilized
1600-1620	D. C. Kothari	Electrostatic Force Microscopy of Biological Materials
	Session 3B	Chair: D. Banerjee Co-chair: K. Bhanumurthy
1400- 1425	V. Jayaram	An FIB-TEM investigation of near surface deformation during sliding wear in Al-Si
1425- 1450	G.V.S. Sastry	Grain Refinement Mechanisms Operative during Equal Channel Angular Pressing of Aluminum
1450-1515	M. Sundararaman	Tem Investigation of Dynamic Strain Ageing Behaviour in Alloy 718
1515-1535	N. Ravishankar	Transmission Electron Microscopy for Understanding Growth, Assembly and Patterning of Functional Inorganic Nanostructures
1535-1555	P. Barat	Study of microstructural evolution during the early recovery stage in severely deformed D9 sample using TEM and in-situ high temperature XRD
1555-1615	Gouthama	Cross-sectional Transmission Electron Microscopy: Diffusion bond Interface and Waterjet Machined Sub-Surface
	Session 3C	Chair: K. Chattopadhyay Co-chair: K. Muraleedharan
1400- 1425	A. Rosenauer	Towards Quantitative Scanning Transmission Electron Microscopy: Measurement of Composition in III-Nitrides
1425- 1450	S. Hata	Tomographic Diffraction Contrast Imaging: Applications to Crystalline Defects and Domain Structures
1450-1515	M. Schowalter	Computation and Measurement of Atomic Mean Square Displacements for Quantitative Evaluation of High Angle Annular Dark Field Images
1515-1535	U.D. Kulkarni	Monte Carlo Simulation and Transmission Electron Microscopy Studies on Ni-Mo-based Alloys and Al-rich TiAl Intermetallics
1535-1555	R. Balamuralikrishnan	Phase Transformations and Microstructure Evolution in Al ₁₃ Ni ₂₉ Co ₂₉ Ta ₂₉ Alloy
1555-1615	N.P. Lalla	Low-Temperature Transmission Electron Microscopy Studies of Phase Coexistence in Some Distorted Oxide Perovskites
	Session 3D	Chair: C. Koch Co-chair: P. Ayyub
1400- 1425	R. Banerjee	Some New Insights into the Beta to Omega Solid State Phase Transformation in Titanium Alloys
1425- 1450	S. Nag	Formation of Different Generations of Gamma Prime Precipitates in Rene 88DT During Continuous Cooling and Subsequent Aging
1450-1515	D. Cherns	Transmission Electron Microscopy of High Quality GaN Films Grown with Intermediate Nanorod Layers
1515-1535	V. K. Jain	Role of electron microscopic techniques in semiconductor nanomaterials research
1535-1555	G. J. Prasad	Microstructural Studies on Some Alloy and Dispersion Fuel Material
1555-1615	S. Bhattacharyya	Experimental Evidence of Self-limited Growth of Nanocrystals in Different Glass Ceramics
1615-1800	TEA and POSTER	
1745-1800	Annual General Body Meeting - EMSI	
1815	CULTURAL PROGRAMME and DINNER	