

University of Hyderabad
(School of Engineering Sciences and Technology &
Centre for Modelling Simulation and Design)
Defence Metallurgical Research Laboratory
and
Indian Institute of Metals – Hyderabad Chapter

WORKSHOP ON
MATERIALS MODELLING AND SIMULATION
DECEMBER 27-31, 2010

TECHNICAL PROGRAMME

DECEMBER 27, 2010		
8:30 - 9:00	Registration	
9:00 - 9:30	Inauguration	
9:00 - 9:05	Welcome	Dr. K. Muraleedharan, DMRL, Hyderabad
9:05 - 9:10	about CMSD	Prof. Arun Agarwal, University of Hyderabad
9:10 - 9:15	about the workshop	Prof. K.P.N. Murthy, University of Hyderabad
9:15 - 9:20	about the mini-conference	Dr. R. Sankarasubramanian, DMRL, Hyderabad
9:20 - 9:30	Inauguration	Dr. Kota Harinarayana, Pratt & Whitney Chair Professor, University of Hyderabad
9:30 - 9:35	Vote of thanks	Prof. K. Bhanu Sankara Rao, University of Hyderabad
9:35 - 10:00	TEA	
10:00 - 11:30	Monte Carlo Simulation - I	Prof. K.P.N. Murthy, University of Hyderabad
11:30 - 11:45	Break / discussions	
11:45 - 13:00	Monte Carlo Simulation - II	Prof. K.P.N. Murthy, University of Hyderabad
13:00 - 14:00	LUNCH	
14:00 - 15:00	Grain Growth in a polycrystalline material	Dr. P.V. Sivaprasad, Sandvik, Pune
15:00 - 16:00	Tutorials	
16:00 - 16:30	TEA	
16:30 - 18:00	Tutorials	
December 28, 2010		
09:00 - 10:30	Molecular Dynamics - I	Prof. S. Karthikeyan, IISC, Bengaluru
10:30 - 11:00	TEA	
11:00 - 12:30	Molecular Dynamics - II	Dr. R. Sankarasubramanian, DMRL, Hyderabad
12:30 - 13:00	Discussions	
13:00 - 14:00	LUNCH	
14:00 - 16:00	Tutorials	
16:00 - 16:30	TEA	
16:30 - 18:00	Tutorials	

December 29, 2010		
09:00 - 10:30	Phase Field Simulation - I	Prof. T.A. Abinandanan, IISc, Bengaluru
10:30 - 11:00	TEA	
11:00 - 12:30	Phase field simulation II	Prof. G. Phanikumar, IIT-M, Chennai
12:30 - 13:00	Discussions	
13:00 - 14:00	LUNCH	
14:00 - 14:45	Dr. M. Vijayalakshmi	IGCAR, Kalpakkam
14:45 - 16:00	Tutorials	
16:00 - 16:30	TEA	
16:30 - 18:00	Tutorials – contd.	
December 30, 2010		
09:00 - 10:30	Dislocation Dynamics	Prof. Prita Pant, IIT-B, Mumbai
10:30 - 11:00	TEA	
11:00 - 11:45	Defect identification and need for modeling	Dr. M. Sundararaman, BARC, Mumbai
11:45 - 12:30	Phase transformation	Dr. K.V. Manikrishna, BARC, Mumbai
12:30 - 13:00	Discussions	
13:00 - 14:00	LUNCH	
14:00 - 14:45	Prof. U.V. Waghmare	JNCASR, Bengaluru
14:45 - 15:30	Dr. Amarendra Singh	TRDDC, Pune
15:30 - 16:15	Dr. B.K. Choudhary	IGCAR, Kalpakkam
16:15 - 16:30	TEA	
16:30 - 17:15	Dr. V.S. Srinivasan	IGCAR, Kalpakkam
17:15 - 18:00	Dr. B.K. Panigrahi	IGCAR, Kalpakkam
December 31, 2010		
09:00 - 09:45	Dr. T. Rajasekharan	DMRL, Hyderabad
09:45 - 10:30	Dr. A. Venugopal Rao	DMRL, Hyderabad
10:30 - 10:45	TEA	
10:45 - 11:30	Prof. B. Bhattacharya	IIT-KGP, Kharagpur
11:30 - 12:15	Dr. R. Balamuralikrishnan	DMRL, Hyderabad
12:15 - 13:00	Prof. R.K. Mandal	IT-BHU, Varanasi
13:00 - 14:00	LUNCH	
14:00 - 14:45	Dr.-Ing. V.V.S.S. Srikanth	University Hyderabad - Hyderabad
14:45 - 15:30	Valedictory function	
15:30 - 16:00	TEA	