

One day workshop on

An introduction to the basics and technology of Surface Engineering

The Pride Hotel, University Road ; Shivajinagar ; Pune 411005

15 February (Wednesday) 2017

Technical Program

0900- 1000 Hrs	Registration		
1000- 1010	Introduction to the Workshop	Dr.A.Subrahmanyam	IIT Madras
1015 – 1040	Over view of Surface Engineering	Dr Anand Khanna,	IIT Bombay
1045- 1120	Surface energy and Surface cleaning- The basics	Dr. A. Subrahmanyam	IIT Madras
1120 - 1130	Plans of future programs on Surface Engineering and manufacturing Technologies	Dr Sudhir Panse and Mr Gurvinder Singh	Pune
1130 - 1145	Tea Break		
1145- 1230	Looking at the real surfaces: Scanning Probe Microscopy	Dr Sudakar Chandran	IIT Madras
1235 – 1320	The mechanical property: Nano-indentation and hardness	Dr Sudarshan Phani	ARCI Hyderabad
1320 – 1400	Lunch		
1400 - 1445	The Chemistry of surfaces: Electrochemistry of surfaces	Mr Rama Subramanian	Titan Industries, Hosur
1450 - 1540	Surface Engineering and PVD coatings	Dr Umesh Matre	Surface Modification Technologies Pvt. Ltd., Mumbai
1540-1600	Tea Break		
1600 – 1645	Can the surface be virgin during measurements: Non-destructive testing of metal and semiconductor surfaces- Kelvin Probe	Dr. A. Subrahmanyam	IIT Madras
1650 -1720	Plasma as a tool for Surface modification	Dr. A. Subrahmanyam	IIT Madras
1720-1730	Concluding Remarks and questions from Participants		