



## POLYMER TECHNOLOGY CENTER

### Scratch Behavior Consortium

#### Texas A&M University

#### Meeting Agenda

9:00 am, April 8, 2010 (Thursday)  
301 Eng. Phys. Bldg.  
College Station, TX 77843-3123

8:30 – 9:00 am	Isabel Cantu, TAMU H.-J Sue, TAMU	Registration & Reception (Refreshments Served)
9:00 – 9:05 am	<u>H.-J. Sue</u> , TAMU	Welcome, Overview of Agenda
9:05 – 9:35 am	H. Jiang, R. Browning, P. Liu, I. Liang, M. Hossain, <u>H.-J. Sue</u> , TAMU	Overview of a Combined Scratch Testing and Evaluation Methodology for TPO Materials
9:35 - 10:05 am	<u>R. Browning</u> , Peng Liu, H.-J. Sue, TAMU; J. Li, Adv. Comp.	Correlation Between Erichsen Delta L Test and ASTM Scratch Test
10:05 – 10:35	<u>H. Jiang</u> , M. Hossain, H.-J. Sue, TAMU	Mechanical Modeling of Stick-Slip Mechanism During Polymer Scratch
10:35 – 10:50 am	<b>Break</b>	
10:50 – 11:20 am	<u>Janet Wong</u> , Imperial College, London	Novel Technique in Observing Scratch Deformations in Nano-Scale
11:20 – 11:50 pm	<u>Noah Smith</u> , Surface Machines Systems	Scratch Machines, ASV Software, Service, Licensing, Parts, etc.
11:50 – 12:40 pm	<b>Lunch Break</b>	Including Lab Tour
12:40 – 1:10 pm	<u>M. Hossain</u> , Han Jiang, and H.-J. Sue, TAMU	Parametric Study on Effect of Yield Stress and Strain Softening Phenomenon on Scratch-Induced Deformation and Damage
1:10 – 2:00 pm	<i>All</i>	Laboratory Demonstration on Scratch Testing and ASV Determination of Scratch Visibility
2:00 – 2:30 pm	<u>H.-J. Sue (Lead)</u> , (Members Only)	Future Plan, Date of Next Meeting, etc.
2:30 pm	<b>Adjourn</b>	Individual mtg and additional lab tours can be arranged at the conclusion of the consortium mtg.

Contact information is Isabel Cantu, PTC Program Coordinator: