

Center for Thermal Spray Research



AT STONY BROOK UNIVERSITY

Spring 2014 Consortium Meeting Agenda
Location: Stony Brook University, Stony Brook, NY

Wednesday, June 4th
Location: Humanities Building, Room 1006, Stony Brook University Campus

| Time Start | Time End | Title | Speaker |
|---|-----------------|---|-----------------------------|
| 8:00 | 8:30 | Thermal Spray: Integration of Design, Materials and Processes | Sanjay Sampath |
| 8:30 | 9:30 | Thermal spray process dynamics Measurements and Mechanisms | Sanjay Sampath |
| 9:30 | 9:50 | Coffee Break | |
| 9:50 | 10:20 | Design Relevant Coating Properties: Ceramics | Gopal Dwivedi |
| 10:20 | 11:00 | Design Relevant Coating Properties: Metals and Cermets | Brian Choi Andrew Vackel |
| Walk from Humanities to Heavy Engineering | | | |
| 11:15 | 11:45 | Lab Tour (Optional)– CTSR – Heavy Engineering Building, Room 130 | |
| 11:45 | 12:45 | Lunch CTSR – Heavy Engineering Building, Room 130 | |
| 12:45 | - | Return to Humanities 1006 | |

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| CTSR Thermal Spray Alumni/Student Presentations on the occasion of Professor Herman's 80th Birthday | | | |
| 1:00 | 1:05 | Introduction | Sanjay Sampath |
| 1:05 | 1:30 | Overview of Turbine Coating and Repair Technologies | Ravi Shankar <i>Chromalloy</i> |
| 1:30 | 1:50 | Overview of Abradable Materials for Turbine Industry | Mitch Dorfman <i>Sulzer Metco</i> |
| 1:50 | 2:10 | Reinventing Diffusion Coatings | Srinivasan "Shanks" Shanker <i>American Surface Modifications</i> |
| 2:10 | 2:30 | Opportunities and Perspectives of thermal sprayed coatings in Industrial Gas turbines | Anand Kulkarni <i>Siemens Energy</i> |
| 2:30 | 2:50 | Non-traditional coatings produced by water stabilized plasma technology | Pavel Chraska <i>Institute of Plasma Physics, CZ</i> |
| 2:50 | 3:10 | Coffee Break | |
| 3:10 | 3:30 | Update on coatings in electronics and semiconductor industry applications | Robert Gansert <i>AMTS, CA</i> |
| 3:30 | 3:50 | Innovative thermal spray processes for electronics industry applications | Rajan Bamola <i>SMS, CA</i> |
| 3:50 | 4:10 | Direct Write Thermal Spray Printed Electronics | Jeff Brogan <i>Mesoscribe Tech.</i> |
| 4:10 | 5:00 | <u>CTSR Current Student/Staff Short Presentations</u> Nature inspired hybrid spray coatings Advances in image analysis Mapping deposition rate effects Measuring and understanding torch heat flux Larson Miller analysis of TBC conductivity | Katherine Flynn Ari Sagiv Ram Seshadri Raja Singaravelu Gordon Chin |
| 6:30 | 10:00 | Consortium Networking Dinner – Lombardi's on the Sound | Port Jefferson |