



Center for Thermal Spray Research



AT STONY BROOK UNIVERSITY

Fall 2013 Consortium Meeting Agenda

Location: Reed Conference Center, Midwest City, OK

Thursday, November 21st

Time Start	Time End	Title	Speaker
8.00	8.15	Welcoming Remarks Consortium Background Introduction to Guest Speaker	Sanjay Sampath
8.15	8.40	Introduction to Tinker AFB Oklahoma Air Logistics Center	Dr. Kristian Olivero <i>Technical Director</i>
8.40	9.40	Towards reliable thermal spray processing: Integrated assessment of Measurements, Methods and Mechanisms	Sanjay Sampath
9:40	10.15	Powder morphology effects on HVOF coating evolution dynamics	Andrew Vackel Alfredo Valarezo
10:15	10.45	Coffee Break	
10:45	11:30	Quantitative Assessment of Process-Microstructure- Property Relations in Ceramic Coatings	Sanjay Sampath Gopal Dwivedi
11:30	12:00	Substrate and bond coat chemistry effects on TBC lifetime in different gas environments	Bruce Pint <i>(Oak Ridge National Lab)</i>
12:00	1:00	Lunch	
1:00	1:20	Process Enabled Design and Manufacturing of Multilayer Thermal Barrier Coatings	Vaishak Viswanathan
1:20	1:35	Ion Milling to Confirm the Efficacy of Polishing Practices on Tungsten Carbide Coatings	Kevin Sargent <i>(Tinker AFB)</i>
1:35	2:10	Structurally Integrated Thermal Spray Coatings	Andrew Vackel
2:10	2:30	Origin of Peening Stresses in High Velocity Thermal Spray Coatings	Alfredo Valarezo
2:30	2:45	Discussion Session as needed	
2:45		Adjourn	