

Center for Thermal Spray Research



AT STONY BROOK UNIVERSITY

Fall 2016 Consortium Meeting Agenda

Location: Mitsubishi-Hitachi Power Systems, Savannah, GA
1000 Pine Meadow Drive
Pooler, GA 31322

Wednesday, November 16, 2016

Time Start	Time End	Title	Speaker
8:00	8:15	Introduction and remarks	Sanjay Sampath
8:15	8:30	Welcome Note	Peter Mierke, Director of Operations, MHPSA Savannah Machinery Works
8:30	9:10	Thermal spray in the gas turbine industry: A review of materials, processes and scientific considerations	Sanjay Sampath
9:10	9:35	Substrate and Bond Coat Effects on TBC Durability	Bruce Pint Oak Ridge National Laboratory
9:35	10:00	Evolution of TBC top coats: Manufacturing, microstructure, multifunctionality	Sanjay Sampath
10:00	10:30	Coffee Break	
10:30	11:20	Update on CTSR Research on TBCs	Gopal Dwivedi Edward Gildersleeve
11:20	12:00	Advanced methods for determining properties of ceramic coatings	Gopal Dwivedi Gregory Smith
12:00	1:00	Lunch	
1:00	1:50	Understanding substrate coating adhesion through traditional and new testing methods	Gregory Smith Xiaotao Luo
1:50	2:25	Structurally integrated damage tolerant coatings: System and surface functionalities	Gregory Smith Edward Gildersleeve
2:25	2:50	Thermoelectric waste heat harvesting from thermal sprayed oxides	Sanjay Sampath Hwasoo Lee
2:50	3:00	Closing remarks	CTSR/MHPS
ADJOURN			

Additional/Optional Events on Tuesday Nov. 15th

MHI Plants Tours at 2:00 PM and 3:30 PM

Dinner at Moon River Brewing Co., 21 W Bay St, Savannah, GA 31401
Reservations at 6 PM and there is a bar area available if you plan to arrive early