

Center for Thermal Spray Research



AT STONY BROOK UNIVERSITY

Spring 2018 Consortium Meeting Tentative Agenda

Day 1 Wednesday, June 20th, 2018

**Consortium review session on advanced concepts
Location: Light Engineering Rm 102, Stony Brook University**

Time Start	Time End	Title	Speaker
8:30	9:30	Thermal Spray: Integration of Design, Materials and Processes	Sanjay Sampath
9:30	10:00	Plasma Sprayed Ceramics: Effect of Microstructural Features on Coating Properties	Toshio Nakamura
		Coffee Break	Light Engineering Rm 173
10:30	11:15	Process Diagnostics and Residual Stresses	Sanjay Sampath
11:15	11:55	Structurally Integrated and Damage Tolerant Coatings	Gregory Smith
11:55	12:15	Measuring Functional Properties of Thermal Sprayed Oxides	Eugenio Garcia
12:15	1:15	Lunch at Center Facilities	
		Lab Tour and Demonstrations	Center

***All times are in EST**

Thematic Presentation and Discussion Session: Multilayer Coatings

Location: Humanities Building, Room 1006, Stony Brook Campus

Time Start	Time End	Title	Speaker
3:00	3:30	Multilayer Coatings Design Benefits/Manufacturing Challenges	Sanjay Sampath
3:30	4:20	Industry Perspectives and Panel Discussion	Kirk Fick – CTS John Nerz – GE Li Li – Rolls Royce David Jorgensen – Honeywell
4:20	5:00	Academic Initiatives CTSR Multilayer Review & Current Activities AFOSR-Mexico Collaboration Project	Eugenio Garcia Gerardo Trapaga – Ciateq Mexico Edward Gildersleeve
6:30	9:00	Networking Dinner: Port Jeff Country Club Port Jefferson NY (formerly Lombardi's on the Sound)	

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AT STONY BROOK UNIVERSITY

Spring 2018 Consortium Meeting Agenda

Day 2 Thursday June 21st, 2018
Consortium Presentations

Location: Humanities Building, Room 1006, Stony Brook University

Time Start	Time End	Title	Speaker
8:30	8:45	Introduction to CTSR and Consortium	Sanjay Sampath
8:45	9:40	Thermal Management Coatings Diesel Engines Historical Introduction and Current Activities	Sanjay Sampath John Saputo Eric Gingrich (Army)
9:40	10:00	Thermoelectric Waste Heat Harvesting Multilayers	Hwasoo Lee
10:00	10:30	Coffee Break	
10:30	10:50	Fundamentals of Processing Easy Glass Forming Ceramics	Sanjay Sampath
10:50	11:15	Phase and Microstructural Evolution of APS YbSi EBC	Eugenio Garcia Granados
11:15	11:45	Toughness of Thermal Sprayed Ceramics: Measurement Challenges and Microstructure Dependence	Gregory Smith Adam Smith
11:45	12:05	Processing science of dense vertically cracked coatings: an update on recent results	Shalaka Shinde
12:05	1:00	Lunch	Humanities Atrium
1:00	1:50	Progress in advanced characterization of structurally integrated coatings & remanufactured components	Gregory Smith
1:50	2:50	Thermal Barrier Systems: Update on Geometry effects	Michael Lance (ORNL) Toshio Nakamura Edward Gildersleeve
2:50	3:00	Summary Remarks and Discussions	
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Campus Maps and Directions Attached