# Thermal and Environmental Barrier Coatings VI

Irsee, Germany 19 – 24 June 2022

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# <u>Monday, June 20, 2022</u>

07:00 - 08:15	Breakfast	
08:15 – 08:30	<b>Conference Overview</b> Brian Hazel, Pratt & Whitney, USA	
	ECI welcome: Ram Darolia (GE Aviation, retired)	
	Session: Overview of TBC/EBC Application Chairs: Gyn Brewster, Rolls-Royce plc., United Kingdom	
08:30 – 09:00	Requirements and Design Constraints for TBC's in Land Based Gas Turbines Grégoire Witz, Siemens Energy, Switzerland	1
09:00 - 09:30	Successes, Challenges and Opportunities for Environmental Barrier Coatings Julie Kuhn, GE Aviation, USA	2
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	<u>Session: EBCs for Novel Alloy Systems</u> Chairs: Uwe Schulz, DLR - German Aerospace Center, Germany	
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10:30 – 11:00	High Temperature Refractory Metal Alloys-advances and Challenges John Perepezko, University of Wisconsin-Madison, USA	4
11:00 – 11:30	High Entropy Rare Earth Oxide (HERO) Environmental Barrier Coatings for Refractory Metal Alloys Elizabeth Opila, University of Virginia, USA	5
11:30 – 12:00	Selective Thermal Emission Coatings for Improved Turbine Efficiency Pete McGrail, Pacific Northwest National Lab, USA	6
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	<u>Session: EBCs for Novel Alloy Systems (continued)</u> Chairs: Uwe Schulz, DLR - German Aerospace Center, Germany	
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	<u>Session: EBC</u> Chairs: Sanjay Sampath, Stony Brook University, USA	
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14:30 – 15:00	Concepts for Enhancing the Life of Environmental Coatings Systems Jeroen Deijkers, University of Virginia, USA	9

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16:30 – 17:00	The Synthesis of EBC Layer Stacks by the Combination of PVD and CVD in a Continuous Vacuum Process Jurgen Ramm, Oerlikon Surface Solutions AG ZN Balzers, Liechtenstein	12
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20:00 Conference Dinner with music by VolXmucke

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