**Poster Presentations**

1. Water vapor corrosion of environmental barrier coating produced by electrophoretic deposition  
   Ahmet Hilmi Paksoy, The University of Manchester, United Kingdom

2. Evaluation of mechanical behavior of bimodal microstructure of Al2O3-YSZ-CNT plasma sprayed coatings  
   Alok Bhadauria, Indian Institute of Technology, Kanpur, India

3. Reactions of rare earth hafnates and zirconates with silicate melts of different basicity  
   Andrew R. Ericks, University of California, Santa Barbara, USA

4. Modified bond coat by EB PVD for TBC  
   Andrii Marynskyi, Paton Turbine Technologies, Ukraine

5. Debye-Larmor high enthalpy cascade plasma gun technology to apply ceramic coatings for the turbine industry  
   Armando Salito, Gulhfi Consulting AG, Switzerland

6. Determination of interface fracture energy of YSZ coating by modified clamped beam bending  
   Ashwini Kumar Mishra, Indian Institute of Technology Bombay, India

7. TUBA Nova - A novel industrial EB-PVD coater platform for state-of-the-art TBCs and multi-layer coatings  
   Carsten Deus, VON ARDENNE GmbH, Germany

8. Investigating the microstructure of as-sprayed high-crystalline Yb2Si2O7 environmental barrier coating (EBC) deposited by atmospheric plasma spray (APS)  
   Christian Moreau, Concordia University, Canada

9. Microstructure modification of EB-pvd gadolinium zirconate thermal barrier coatings and the effect on their resistance against siliceous CMAS melts  
   Christoph Mikulla, German Aerospace Center (DLR), Germany

10. Thermal Environmental Barrier Coatings (TEBCs), and their deposits-induced degradation and its mitigation  
    Christopher Louzon, Brown University, USA

11. Synthesis of multi component rare-earth silicate systems for T/EBC application: Study of their high temperature interactions with CMAS  
    Cynthia Yanel Guijosa Garcia, German Aerospace Center (DLR), Germany

12. Environmental barrier coatings deposited by suspension plasma spraying  
    Dapeng Zhou, Forschungszentrum Jülich GmbH, Germany

13. Understanding garnet phase stability in Gd/Y/Yb-CMAS systems and influences on multiphase T/EBC-CMAS interactions  
    Eeshani Paresh Godbole, University of Minnesota, USA

14. Mechanical properties of Yb2Si2O7 coatings prepared using electrophoretic deposition  
    Esma Yilmaz, University of Manchester, United Kingdom
15. **Ytterbium silicate environmental barrier coatings prepared by a novel slurry spraying-reactive sintering technique**  
Gauri Waghmare, Indian Institute of Technology Bombay, India

16. **Environmental Barrier Coatings (EBC) based on Rare Earth Silicates for the protection of aircraft engines components: Optimization of process parameters and characterization**  
Giulia Di Iorio, Sapienza University of Rome, Italy

17. **Effect of thermal spray processing and powder morphology on environmental barrier coatings (EBCs) performance under high temperature water vapor conditions**  
Gopal Dwivedi, Stony Brook University, Center for Thermal Spray Research, USA

18. **Multicomponent equimolar "high entropy" oxides with fluorite/pyrochlore structure for thermal barrier application**  
Harshad Uday Gandhe, Indian Institute of Technology Bombay, India

19. **Concepts for enhancing the life of environmental coatings systems**  
Jeroen Deijkers, University of Virginia, USA

20. **Coatings for increased efficiency in compression ignition engines**  
John Saputo, Stony Brook University, Center for Thermal Spray Research, USA

21. **A coupled thermal and mechanical analysis of sintering in thermal barrier coatings under gradient exposure**  
John Saputo, Stony Brook University, Center for Thermal Spray Research, USA

22. **Effects of EB-PVD microstructural features on CMAS infiltration of Yttria-rich zirconia coatings**  
Juan Gomez, Pratt & Whitney, USA

23. **Thermochemical stability of high entropy rare earth oxide (HERO) coatings for refractory alloys**  
Kristyn Ardrey, University of Virginia, USA

24. **Intrinsic and extrinsic failure of thermal barrier coatings and thermal conductivity evolution under adverse environments: Towards an integrated modeling**  
Kuiying Chen, National Research Council Canada, Canada

25. **Novel multicomponent equiatomic pyrochlores for future thermal barrier coatings**  
Maren Lepple, DECHEMA-Forschungsinstitut, Germany

26. **Spatially resolved characterization of thermally grown oxides using time-domain thermoreflectance**  
Milena Milich, University of Virginia, USA

27. **Advanced suspensions for plasma sprayed thermal barrier coatings**  
Richard Trache, Treibacher Industrie AG, Austria

28. **Study of an atmospheric plasma torch operating under 1 kW of power for the local deposition of YSZ thermal barrier coatings**  
Sandra Segondy, Chimie ParisTech, PSL Research University, France

29. **Simultaneous residual stress mapping of topcoat and TGO in APS TBC using combined micro-raman-PL spectroscopy**  
Srikanth Batna, Indian Institute of Technology Bombay, India
30. **Evaluation of next generation rare-earth silicate EBC coatings obtained from electrofused powders**  
   Stéphane Raffy, Saint-Gobain, France

31. **Lessons learned in design and characterization of EBC spray powders**  
   Ursa Pirnat, Treibacher Ind. AG, Austria

32. **A comparative study of phase evolution in YSZ powders, pellets and free-standing air plasma sprayed thermal barrier coatings**  
   Vikram Hastak, Indian Institute of Technology Bombay, India

33. **SiC-based/EBC Coating systems investigated by LASAT (LAser Shock Adhesion Test)**  
   Vincent Guipont, MINES Paris - PSL / Centre des Matériaux (CNRS 7633), France

34. **Non-destructively capturing CMAS degradation of EB-PVD thermal barrier coatings through 3D confocal Raman renderings**  
   Zachary Stein, University of Central Florida, USA

35. **The utilization of laser thermal testing with thermographic measurement for TBC lifetime performance evaluation**  
   Zdeněk Veselý, University of West Bohemia, Czech Republic