GROUP 1 (Last names A-K): Poster will be presented Wednesday, August 17

Appleby, Matt  
University of Akron
Environmental Durability of Thermo-mechanical Gradients on EBC coated CMCs

Ben Ramdane, Camelia  
Polytech Marseille, French Engineering School
Regarding the current environmental context; decreasing the greenhouse effect gases exhausted by turbo engines is an absolute necessity.

Berger, Jonathan  
University of California, Santa Barbara
The Stiffness and Strength of a Tailorable Thermal Expansion Lattice

Bocchini, Peter  
University of Delaware
Aging Study of Precipitate Strengthened Al-Zr-Sc-Er and Al-Zr-Sc-Er-Si Alloys

Bodiford, Nelli  
University of Texas, Arlington
Microstructure and properties through crystalline approximants of SiCO composites for Ultra-High Temperature Applications using AIRSS structure search algorithm

Brundidge, Clinique  
University of Michigan, Ann Arbor
In-situ Fatigue Damage Techniques for Defense Critical Advanced Materials

Flynn, Katherine  
Stony Brook University
Thermally Sprayed Gadolinium Zirconate for High Temperature Thermal Protection

Gaballa, Osama  
Iowa State University
Processing and consolidation of ultra-refractory 4TaC-HfC at relatively low temperatures

Gillen, Andrew  
Australian Nuclear Science and Technology Organization
Ultra High Temperature Materials for Hypersonic and Extreme Environment Applications

Goswami, Arindom  
University of Texas, Arlington
A diffusionless transformation path of the spinel structure: opportunities to synthesize metastable ceramic materials at high pressures

Goverapet Srinivasan, Sriram  
Pennsylvania State University
Investigation of the hyperthermal collisions of atomic oxygen with graphene using the ReaxFF reactive force field

Guimarães, Nara  
Universidade Estadual Paulista
Characterization and Thermodynamic of TBC made of ZrO2-Y2O3-Nb2O5

Hu, Liangfa  
Tsinghua University
Effect of Porosity and Pore Size on Room Temperature Thermal Conductivity and Mechanical Properties of Porous Ti2AlC

Hussein, Ahmed
Cairo University
Influence of surface slip-step on dislocation-surface interaction in FCC metals

Hwang, Junyeon
University of North Texas
Microstructural evolution in in situ TiC / nickel matrix composite by laser process

Kazemzadeh Dehdashti, Maryam
Missouri University of Science and Technology
Effect of Transition Metal Additives on the Oxidation Behavior of ZrB2

Kitazawa, Rumi
University of Tokyo
Stress distribution in thermally grown oxide of thermo-mechanical fatigue tested thermal barrier coating system

Knappschneider, Arno
Technische Universitaet Darmstadt
TBA

Kothalkar, Ankush Dilip
Texas A&M University, College Station
Processing and Characterization of MAX Phase-Shape Memory Alloy(NiTi) Composites for Multifunctional Hybrid Structures

Kouchmeshky, Babak
University of Texas, Arlington
Quantifying thermal transport for ultra-high-temperature ceramics

GROUP 2 (Last names L-Z): Poster will be presented Tuesday, August 23

Ma, Xiao
Purdue University
Microstructural control during in-situ synthesis of (AlN+Mg2Si)/Mg matrix composites

Maglasang, Jonathan
Mindanao State University, Iligan Institute of Technology
TBA

Mwania, Munuve
University of Texas, Arlington
Thermal Decomposition Behavior: Pre-ceramic Polymers to SiCO Coatings and Powders

Nag, Soumya
University of North Texas
Next Generation High Strength Titanium: Atomic Scale Investigations

Poerschke, David
University of California, Santa Barbara
Self-healing Matrices for SiC Matrix Ceramic Matrix Composites

Rajan, Varun
University of California, Santa Barbara
Matrix Processing Routes for SiC/SiC Composites

Rossol, Michael
University of California, Santa Barbara
Notch Sensitivity of C/SiC and SiC/SiC Composites
Rudianto, Haris  
_Pukyong National University_
Influenced of Al-9Si-20SiC(12µm) on Sintering Behavior of a Hypereutectic of Aluminum-Silicon Composite Powder

Sagapuram, Dinakar  
_Purdue University_
Potential application of large-strain extrusion machining in superplastic titanium sheet production

Shang, Shen  
_University of Akron_
Inverse Identification of a micromechanics and fracture mechanics based damage law

Shang, Xu  
_Iowa State University_
Composite Panel Bond Line Integrity

Shaw, John  
_University of California, Santa Barbara_
Notch Sensitivity of C/6SiC and SiC/6SiC Composites

Smith, Craig  
_Ohio Aerospace Institute_
Correlating Damage in SiC/6SiC Ceramic Matrix Composites to Changes in Electrical Resistance

Strong, Kevin  
_University of Washington_
Controlled Volume Fraction Si3N4/6SiC Nanocomposites from Polymer-Derived Ceramics

Tan, Winnie  
_Purdue University_
Design of Thermal Protection Coatings using Suspension Plasma Spray

Tiwary, Chandra Sekhar  
_Indian Institute of Science, Bangalore_
Development of metal-intermetallic based eutectic alloys for next generation high temperature applications

Tracy, Jared  
_University of Michigan_
Full-field Strain Mapping of Ceramic Matrix Composites through In-Situ Micro-Digital Image Correlation

Ushakov, Sergey  
_University of California, Davis_
Instrumentation developments for calorimetry at ultra-high temperature

Wiesner, Valerie  
_Purdue University_
Fabricating Complex-Shaped Ceramic Components by Injection Molding Ceramic Suspension Gels at Room Temperature

Xu, Wenbo  
_University of California, Santa Barbara_
TBA

Zargar, Hamidreza  
_University of British Columbia_
Carbide-Carbide composites: Process engineering and characterization