Poster Presentations

Towards Quantitative Measurement and Prediction of Heat Release
Michael Bedard, Swanand Sardeshmukh, Tristan Fuller, William Anderson, Purdue University

Experimental Investigation of Combustion Dynamics in a Single-Element Lean Direct Injection Gas Turbine Combustor
Rohan Gejji, Purdue University

Development and Application of Coherent Anti-Stokes Raman Scattering System for Flame Diagnostics
Aman Satija, Purdue University

New High Temperature Vane Cascade at OSU (TuRFR II)
Jeffrey Bons, The Ohio State University

Laminar Flame Speed Measurements of Syngas Blends with and without Hydrocarbon Impurities
Charles L. Keesee, Texas A&M University

Temporally Resolved Planar Measurements in the Wake of a Reacting Jet in Crossflow
Pratikash P. Panda, Purdue University

Durable High Temperature Thermal Barrier Coatings with High Toughness
Amarendra K. Rai, UES, Inc.

Grain Boundary Embrittlement Affected Failure Prediction in Refractory Alloys
Maithilee Motlag, Purdue University

Conjugate CFD Analysis of a Jet-Impingement Configuration with Sudden Changes in Heating and Cooling Loads
Chien-Shing Lee, Purdue University

Estimating Over Temperature and its Duration in a Flat Plate with Sudden Changes in Heating and Cooling
Chien-Shing Lee, Purdue University

Integrated Physics-Based Modeling and Experiments for Improved Predication of Combustion Dynamics in Low-Emission System – Simulation Part
Cheng Huang, Purdue University

Effects of Crossflow in an Internal-Cooling Channel on Film-Cooling of a Flat Plate through Compound-Angle
Zach Stratton, Purdue University

Braze Ring Failure Investigation
Samuel Gates, Woodward, Inc.

Computational Study on the Sealing of Rotor-Stator Turbine Systems
Jason Liu, Purdue University

Flow and Heat Transfer in an L-Shaped Cooling Passage with Ribs and Pin Fins for the Trailing Edge of a Gas Turbine Vane and Blade
Irsha Pardeshi, Purdue University