Poster Presentations

Propulsion System Design for an Amateur Bipropellant Rocket
Olivia DeCaro, Catherine Le and Jarod Heise, San Diego State University

Axial Fuel Staging for Hybrid-Electric Aircraft Combustors
Tim Lieuwen, Georgia Institute of Technology

Integration of Sensors Through Additive Manufacturing Leading to Increased Efficiencies of Gas Turbine for Power Generation and Propulsion
Tim Lieuwen, Georgia Institute of Technology

Research and Capabilities at the Ben T. Zinn Combustion Lab
Tim Lieuwen, Georgia Institute of Technology

Experimental & Numerical Investigation of NOx Formation in Hydrogen/Methane Premixed Flames
Tim Lieuwen, Georgia Institute of Technology

Effect of Radial Flame Position on the Dynamics of a Reacting Jet in Crossflow
Tim Lieuwen, Georgia Institute of Technology

How to Realize Pressure Gain in Practical Rotating Detonation Engines
Alexander Feleo, University of Michigan

Control of Turbine Blade Aerodynamics
Priyank Dhyani, San Diego State University

Chemical Reactor Network Modeling of Emissions from a Model Combustor Operated with Aeroengine Micromixing Injectors
Brittney L. Tran, University of California, Irvine

Hydrogen Fuels Capabilities at Georgia Tech
Wenting Sun, Georgia Institute of Technology

Deep Neural Network Algorithm for CMC Microstructure Characterization and Variability Quantification
Mohamed Hamza, Arizona State University

Imaging Diagnostics of Flame Stability of a Model Combustor Operated with Aeroengine Micromixing Injectors
Iker Gomez Escuero, University of California, Irvine

Fabrication of Net Shape Ceramic and Metallic Components via Spark Plasma Sintering and Additive Manufacturing
Maricruz Carrillo, San Diego State University

Operating Conditions and Laser Spark Ignition of Benchtop Oxy-Fuel Combustor for sCO$_2$ Power Cycles
Fynn Reinbacher, Iowa State University