Graduate Research Position in the Combustion and Gas Dynamics Laboratory

- Either Accelerated MS (senior year +1) or 2-year program for MS
  - 21 Course Credits (7 courses) and 9 Research Credits
- Qualifications
  - US citizen or green card holder
  - Major in Mechanical Engineering or closely related field

If interested, please reach out to baki.cetegen@uconn.edu with your resume
- You may also email matthew.boguszewski@uconn.edu if you have any questions
Our Research

• Work with Pratt and Whitney to perform thermal analysis of varying combustor liner cooling designs
• Quantify cooling effectiveness by means of Infrared Imaging and Laser Rayleigh Scattering
Pulsed Nd-YAG Lasers for Laser Rayleigh Scattering

Test plate from 2021 testing

Effusion Cooling Test Rig
Benefits

• You will learn to use advanced laser diagnostics to investigate heat transfer in gas turbine combustors

• You will be exposed to industrially-relevant problems applying your mechanical engineering knowledge

• You will interact with Pratt engineers during the course of your study

• Job opportunities at Pratt & Whitney upon successful completion of your degree

• Extension to Ph.D. studies for highly motivated students is possible