

Tina Emami

Tina Emami graduated with a Bachelor's of Science degree in Mechanical Engineering with a certificate in Aerospace Engineering in 2015 and with her Masters of Science in Mechanical Engineering in 2017 from Rutgers University. While working on her M.S. she studied the characterization of smoke machines in testing aircraft smoke detectors at the FAA. This included using PDPA laser technology to measure the particle sizes produced from smoke machines and their effects on aircraft smoke detectors. She now continues work at the FAA technical center in the Fire Safety group developing a flammability test for inaccessible areas inside passenger aircrafts. These inaccessible areas include ducting, wiring, and composite fuselage material. She also continues her laser work using the PIV to measure and understand airflow patterns in the FAA's heat release test.