

Tina Emami

Tina Emami is a research engineer at the FAA Technical Center. She graduated with a Bachelor's of Science in Mechanical Engineering with a concentration in Aerospace in 2015. She then began a graduate fellowship with the FAA and Rutgers University and achieved her Masters of Science in Mechanical Engineering in 2017. For her thesis she studied the characterization of smoke machines in testing aircraft smoke detectors. 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 in the Fire Safety branch developing the Vertical Flame Propagation Test for cabin materials in inaccessible areas. These materials include ducting, wiring, wire sleeving, and composite fuselage material.