

## Steven Rehn

Steven Rehn is a research engineer at the FAA Technical Center's Fire Safety Branch. He started working there as a co-op student from Drexel University in 2011 where most of his work concentrated on aiding in the development of the next-gen sonic oil burner. After graduating with his B.S. in Mechanical Engineering in 2012, he was awarded a graduate fellowship by the FAA allowing him work towards a Master's degree at Rutgers University. For his thesis, he researched the flammability properties of hydrogen at sub-atmospheric pressures and reduced oxygen concentrations in relation to hydrogen fuel-cell use in commercial aircraft. After graduating with his M.S. in Mechanical Engineering in 2014, he was hired full-time as a research engineer for the FAA Fire Safety Team. He then worked on updating and improving the radiant panel test method for thermal/acoustic insulation, tested various types of 3D printed materials and printing parameters in order to simplify future testing, and worked towards creating a new fire test method for electronic equipment in aircraft. Mr. Rehn has most recently been tasked with running the fire safety hazardous materials program, mainly focusing on the risks and mitigations of transporting lithium batteries on aircraft.