



SOCIETY of PHYSICS STUDENTS



“My summer research at NASA Glenn EMI lab”

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Throughout my summer at NASA Glenn Research Center, I worked as an intern in the electromagnetic interference (EMI) lab supporting the Electrified Powertrain Flight Demonstration (EPFD) project. EMI and EMC (electromagnetic compliance) are very crucial aspects of electrical engineering that can pose many complications in development and implementation of electronic components or equipment. I was tasked with using computational modeling in COMSOL Multiphysics to model common EMI situations and provide workflows to be implemented in the early development stages of electronic components. This could aid in cutting costs on wasted development by acting as a precursor to possible EMC issues that may arise later. On top of providing support to a project aimed at integrating hybrid electric aircrafts into commercial air travel, my summer with NASA was full of wonderful and fulfilling experiences that I would not have imagined I could be a part of.

**Tuesday, September 16th, 2025
SR 151, 11:30 am**