

**Michael T. Burns Jr.**  
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Michael Burns is a senior Aerospace Engineering Technician with the Federal Aviation Administration supporting research and development in Fire and Cabin Safety. Michael received his airframe and powerplant certification in 1988 and graduated with a Bachelor of Science degree in Applied Aviation Science and Technology from Thomas Edison State College in 1995. His aviation career began in 1986 serving in the United States Navy. He transferred to the New Jersey Air National Guard in 1990 and his work later shifted to civil aviation research. Michael has supported various FAA projects including: general aviation unleaded alternative fuel research, transport aircraft ground based and onboard fuel tank nitrogen inerting, and cargo fire suppression by depressurization. In recent years, Michael's primary responsibilities encompass small scale material fire testing. Michael also supports the FAA Aircraft Certification Office as a subject matter expert with respect to OSU total heat release rate and NBS smoke density flammability test requirements.