

Heat Flux Measurements In Aviation Flammability Tests

Michael Burns will discuss recent efforts made to verify reproducible heat flux measurements throughout industry in relation to aviation flammability tests. Discussion will include results found from a heat flux gage calibration study task group formed between the Federal Aviation Administration and industry flammability test labs. This study looked at different types of heat flux sensors and their construction, calibration methods of a standardized transducer, and various differences in heat flux gage calibration. The purpose of this presentation is to discuss the evidence gathered to date and to ensure the reliability of future heat flux calibrations.