Name	Ravi Rajamani
Affiliation	drR2 consulting

Invited Plenary Lecture

Presentation Title	**Certification of Electric Aircraft**
Abstract (Approximately 200 words)	Electric aircraft promise to usher in a new, more sustainable, aviation ecosystem. However, before they can do that, they need to certified. Many conventional standards for certification do not apply to the new technologies engendered by electric propulsion. In this talk, Dr. Ravi Rajamani will discuss some of the challenges inherent in the certification process and place it in the context of what standards development organizations are doing. This is based on a new research report published in March, 2021 called, "Unsettled Issues Regarding the Certification of Electric Aircraft," coauthored with Anna Dietrich.
Biographical Sketch (Approximately 200 words)	Ravi Rajamani is an independent consultant working on applying model-based and data analytics techniques to aerospace and other complex systems, especially in the areas of controls, PHM and all forms of propulsion. He has published six books including Electric Flight Technology: The Unfolding of a New Future. In addition, Dr. Rajamani is the author of many book chapters, journal papers, conference proceedings, and patents. Prior to his current job, Ravi worked at Meggitt, UTC and GE. He has a PhD from University of Minnesota, an MBA from University of Connecticut, an MSc from IISc, Bangalore, and a BTech from IIT, Delhi. He is active within various SAE technical committees and serves as the chair of the IVHM steering group. He currently serves as the Editor in Chief of the SAE International Journal of Aerospace and is part of the editorial board of two other journals. He has visiting research positions at the University of Connecticut and at Cranfield University, and has been elected a fellow of SAE and of IMechE.