

International Symposium on Artificial Intelligence - Machine Learning in Safety Critical Systems

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ABSTRACT

AI/ML in Aviation - Benefits and Challenges

The introduction of autonomy into controlled airspace may reduce risks to pilots, but it may increase risk overall. Use of AI/ML may permit new technologies to be deployed that offer safety benefits, but may introduce uncertainties.

Current standards support prescriptive means of approval that are difficult to apply with these new technologies, new approaches are under development. Finding the right balance will set a path to benefit from the advances in technology, while constraining our exposure to risk.