

Dependable Solutions for IMA

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Abstract:

There are often practical tradeoffs to be dealt with in Integrated Modular Avionics (IMA) systems beyond the initial emphasis on functional integration. Dependability is an important quality attribute in this tradeoff space among the concerns for space, weight and power. The negotiations between stakeholders have significant impact on the set of assumptions used and the final technical solution deployed. This talk will cover various design aspects and experiences related to the challenge of implementing dependable IMA.