1

FELINE project.



Objectives : Reliability assessment for COTS components (up to board level) / Model and data based Risk Anlysis methodology / Obsolescence management at component level by numerical tools / Natural radiation immunity of COTS components

7,8 M

euros

48 months

ACTIA, AIRBUS, Continental, Elemca, NEXIO, SAFRAN, Technoform, THALES, TRAD, IES, IETR, IMS,

LAAS



6

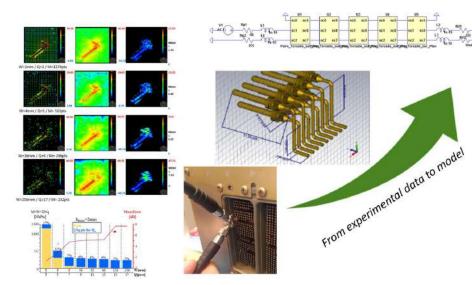
PhDs

l_{DSat} (V_{DD}) κ V_{DD}9.5 2.0) N_{off} = 0.093 μm, Inverter x6 Fins Lifetime (_{on}= 700μA/μm, V_{DD1}= 0.85V Risk assessment for emerging COTS components

1.548 104

7.630 102

Key Results



D_{Set1} = 558 μA, V_{DD1}= 0.85V

D_{Sat2} = 625 μA V_{0D2}= 0.90 V

fit

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5.14 10-4

5.93 10-4