



ILLINOIS INSTITUTE
OF TECHNOLOGY



Mechanical, Materials And Aerospace Engineering Department

SEMINAR
WEDNESDAY, February 18, 2004
E-1 BUILDING – CRAWFORD AUDITORIUM
3:30 – 4:30 PM

Robust Electronic Product Design

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Abstract

Temperature, humidity, shock and vibration, and electromagnetic interference are some of the key stresses affect severely to the reliability and performance of electronic products. When these stresses simultaneously come in the life of the product, it prematurely breaks down. To overcome such eventuality and enhance the product's life cycle, environmental testing beyond the product's specification should be considered to weed out the failure modes typical of the stresses involved. The knowledge of failure modes and designing them out of the product is the key to robust electronic product design. Data, success stories, and case histories will be presented.