



# INTERNATIONAL RELIABILITY PHYSICS SYMPOSIUM

## 2001 TUTORIAL NOTES

**Tim Rost, CHAIR**

**WYNDHAM PALACE RESORT & SPA**

**ORLANDO, FLORIDA**

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**(Tutorials—April 30th)**

title/bios	pdfs of powerpoint presentation visuals
Topic 1.	ERRORS MADE WHEN PERFORMING RELIABILITY EXPERIMENTS: DISCUSSION, CONSEQUENCES AND APPLICATIONS <i>L. Tielemans, DESTIN N.V. and K. Croes, IMO, LUC</i>
Topic 2.	SILICON AMNESIA: A TUTORIAL ON RADIATION INDUCED SOFT ERRORS <i>R. Baumann, Texas Instruments</i>
Topic 3.	SEMICONDUCTOR FOUNDRY QUALIFICATION PANEL DISCUSSION <i>(a) R. Hijab, Cirrus Logic, (b) Y. J. Chang, UMC, (c) C. K. Lau, Chartered (d) A. Preussger, Infineon, and (e) J. T. Yue, TSMC</i>
Topic 4.	NEW PHENOMENA IN THE DEVICE RELIABILITY PHYSICS OF ADVANCED SUBMICRON CMOS TECHNOLOGIES <i>G. La Rosa, S. E. Rauch, and F. Guarin, IBM Microelectronics</i>
Topic 5.	ESD RELIABILITY PHYSICS, DEVICES AND CIRCUITS <i>S. H. Voldman, IBM</i>
Topic 6.	AEROSOL SPRAY AND THE COOLING OF MICROELECTRONICS <i>P. J. Boudreaux, Laboratory for Physical Sciences and D. E. Tilton, Isothermal Systems Research, Inc.</i>
Topic 7.	A CHIP DESIGNERS PERSPECTIVE ON RELIABILITY <i>D. Overhauser, Simplex</i>
Topic 8.	THIN GATE OXIDE RELIABILITY: DEGRADATION, STATISTICS AND BREAKDOWN MODES <i>J. Suñé, Universitat Autònoma de Barcelona and E. Miranda, Universidad de Buenos Aires</i>
Topic 9.	FERROELECTRIC MATERIAL AND DEVICE RELIABILITY <i>T. D. Hadnagy, Ramtron International Inc.</i>
Topic 10.	MICROSTRUCTURE, PROCESSING AND RELIABILITY OF CU-BASED INTERCONNECT STRUCTURES <i>J. Sanchez, Jr., Advanced Micro Devices</i>
Topic 11.	QUALIFICATION FOR RELIABILITY IN TIME-TO-MARKET DRIVEN PRODUCT CREATION PROCESSES <i>W. Gerling, Infineon Technologies AG and F.-W. Wulfert, Motorola SPS</i>