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Volume I
Proceedings part I

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S02  Design and measurements of experimental MMIC limiters for HPM protection
R. Jonsson, T. Nilsson, M. Backstrom  

S03  Radiated susceptibility assessment of a basic IT network

S04  Electromagnetic immunity: system- versus chip-level
B. Deutschmann, G. Winkler, T. Ostermann, K. Lamedschwandner  

S05  Bottom up modeling for immunity behavior in sensory microsystems
U. Stuermer, W. John, H. Schoepe, H. Reichl  

S06  Circuit analysis study for the impulse immunity test (IIT)
S.T. Bakshi, M. Coenen, R. Derikx, W. de Graaf  

**Topic T: Power Systems and Grounding**

T01  A novel method for measuring substation grounding resistance
R. Huang, B. Zhang, L. Li, X. Cui  

T02  Comparisons between different grounding systems in power distribution.

T03  Fault location using high frequency transients: a study applied to the brazilian power system

T04  Combined effects of low frequency couplings in substations
C.A. Silveira, L.H.A. de Medeiros, R.R.B. de Aquino, G.M. da Fonseca
T05  Electromagnetic interferences between HV power lines and RBS antennas mounted on HV towers
C. Munteanu, V. Topa, T. Muresan, A.M. Costin  

T06  Effect of distribution system unbalance on magnetic field levels
H.A.N. Hejase, A.M. Abd-Rabou, A.A. Hussein  

T07  Calculation of the harmonic impedance of a single horizontal grounding wire in two-layer soil by the electromagnetic model
V. Arnautovski-Toseva, L. Grcev, K. El Khamlich Drissi  

T08  Analysis and mitigation of low frequency disturbances in power supply lines of submarine fiber optic links
N. Korovkin, F. Rachidi, M. Ianoz, E. Selina, E. Petrache, A. Cordier, T. Verhaege  

T09  Fields, circuits and relevant voltmeters
P.C.T. van der Laan  

**Topic U: Avionic and Space Systems** 

U01  Experimental diagnostics of aeronautical cables using frequency domain reflectometry
M. D'Amore, M.S. Sarto, A. Tamburrano  

U02  Assessment of the personal electronic devices threat on avionics systems and possible protections
F. Mangeant, H. Poirot  

U03  Use of numerical simulation for the process of maintenance on the A340-500/600 of the protections against lightning and HIRF threats
F. Hoeppe, H. Poirot  

**Z: Late Submissions** 

Z01  Microelectronic EMC system design for high density interconnect and high frequency environment
W. John  

Z02  Knowledge management and web based training systems for the critical microelectronic design discipline electromagnetic compatibility (EMC)
W. John, L. Krahn, B. Erdem, M. Raeisi, R. Bruening