

RADECS 2015 AWARDS

It is a tradition that presentations at the RADECS conference are peer evaluated in order to identify and give public recognition to the best work presented that year: best oral paper, best poster and best Data Workshop paper. In addition the Jean-Marie Palau award is given in memoriam of Jean Marie Palau to recognize the best “student paper” of the conference. To this aim, each session has been separately evaluated by different Committees. Each Committee was composed of session chairs and experts in the field.

The results are:

Best Oral Paper

UV Single-Photon Absorption Single-Event Transient Testing of Pristine and Irradiated AlGaIn/GaN HEMTs

A. Khachatryan^{1,2}, N. J-H. Roche^{2,3}, S. P. Buchner², A. D. Koehler², T. J.

Anderson², J. H. Warner², D. McMorrow²

¹Sotera Defense Group, ²U. S. Naval Research Laboratory, ³George Washington University

Best Poster Paper

Semi-Empirical Method for Estimation of Single- Event Upset Cross-Section for SRAM DICE Cells

M. S. Gorbunov^{1,2}, A. B. Boruzdina², P. S. Dolotov¹

¹Scientific Research Institute of System Analysis (SRISA), ²National Research Nuclear University MEPhI

Best Data Workshop

SEL Sensitivity Differences in IC's with Same Crystals Marking

A. A. Pechenkin, P. V. Nekrasov, A. B. Boruzdina, D.E. Protasov

National Research Nuclear University MEPhI/Specialized Electronic Systems (SPELS)

Meritorious Paper

Redundant Skewed Clocking of Pulse-clocked Latches for Low Power Soft Error Mitigation

A. Gujja, S. Chellappa, C. Ramamurthy and L. T. Clark

Arizona State University

Jean Marie Palau award (best student paper)

Dark Current Spectroscopy in CMOS Image Sensors Irradiated with Alpha Particles

*J-M Belloir¹, V. Goiffon¹, P. Magnan¹, C. Virmontois², O. Gilard²,
M. Raine³, P. Paillet³*
¹ISAE, ²CNES, ³CEA

Modeling charge buildup in deposited oxides under x-ray and gamma Irradiation

A. A. Smolin¹, A. V. Sogoyan², A. V. Ulanova², A. A. Demidov²
¹National Research Nuclear University MEPhI, ²Specialized Electronic Systems (SPELS)

Victor and I would like to personally express our gratitude to each member of the Awards Committees for the effort performed during the conference to follow the sessions.

Awards Chairmen

Christian POIVEY
ESA ESTEC

Victor ULIMOV
RISI