

2020-2021 EDS REGION 9 OUTSTANDING STUDENT PAPER AWARD

The Electron Devices Society confers its prestigious Region 9 Outstanding Student Paper Award to the best Region 9 student paper published in an internationally recognized IEEE sponsored journal or conference in the field of electron devices related topics. The winning paper is entitled, "Reliability-Aware Design Space Exploration for Fully Integrated RF CMOS PA".



Sebastian Matias Pazos received his degree in Electrical Engineering in 2015 and his PhD in 2021 by Universidad Tecnológica Nacional, Facultad Regional Buenos Aires (UTN.BA), Argentina. He received fellowships from DAAD, UTN.BA and CONICET and was Interim Professor and TA at UTN.BA. He is currently a Post-Doctoral Fellow at King Abdullah University of Science and Technology (KAUST), Saudi Arabia, and member of the EDS Nanotechnology Committee. He co-authored more than 20 articles in international journals and was co-awarded 3 best paper awards in international conferences. His interests include CMOS RF/AMS circuit design, advanced materials integration, device/circuit reliability and neuromorphic hardware.



Fernando L. Aguirre (M. 2022) received the electronics engineering degree in 2016 and his PhD in engineering in 2021, both from the UTN-FRBA (Argentina). He received the UTN-DAAD, CIN-EVC (undergraduate student) and the CONICET (PhD) grants. He has co-/authored almost 50 papers in international journals and conferences and received three best paper awards (PRIME-LA 2017, SBmicro 2019 and IRPS 2019). In 2019 he was visiting PhD researcher in the UAB (Spain). From 2013-2021 he was Teaching Assistant and Adjunct Professor at UTN-FRBA, teaching CMOS Analog Electronics. His research interests include dielectric reliability, Resistive Switching, memristor-based Neuromorphic computing and CMOS design.



Felix Palumbo received the M.Sc. (2000) and the Ph.D. (2005) both in physics from the University of Buenos Aires (UBA), Argentina. He is research staff of the National Council of Science and Technology (CONICET), and Full Professor at National Technological University (UTN) Buenos Aires, Argentina, working in the field of semiconductor device physics and reliability, with experience in academy and industry. He was fellow of Marie Curie Fellowship Program, Abdus Salam International Centre for Theoretical Physics (ICTP, Italy), CONICET (Argentina), and CNR (Italy). He has authored and co-authored more than 50 papers in international conferences and journals.



Fernando Silveira received the Electrical Engineering degree from Universidad de la República, Uruguay in 1990 and the MSc. and Ph.D. in Microelectronics from Université Catholique de Louvain, Belgium in 1995 and 2002. He is currently Professor at the Electrical Engineering Department of Universidad de la República. His research interests are in the design of ultra-low-power analog and RF integrated circuits and systems, in particular with biomedical application. He is coauthor of two books and many technical articles. He has had multiple industrial activities, including leading the design of an ASIC for implantable pacemakers and designing modules for implantable devices.