LEON A. ESCOBAR-MOREIRA

lescobarcima@ups.edu.ec
Center for Research in Environmental Modeling (CIMA)
Universidad Politécnica Salesiana
Quito - Ecuador

León Escobar-Moreira serves as an External Research Staff member of the CIMA at the Salesian Polytechnic University and has been part of the editorial board of the Life Sciences Department magazine "La Granja" since 2010. He received his Electronics Engineer degree at the Army Polytechnic School (ESPE) in Quito, Ecuador. He also holds a Masters degree in Mathematics Applied to Industrial Technology from the University of Maryland at College Park and received a certificate in Motors & VFD design from the Massachusetts Institute of Technology (MIT).

Mr. Escobar's research and academic experience has been obtained at the Norbert Wiener Center of Harmonic Analysis and Application at the University of Maryland - College Park as a research affiliate, at the Electronics Engineering department of the Army Polytechnics School (ESPE) and at the Systems Engineering program of Robotics/AI of the Salesian Polytechnic University (UPS) as a faculty member.

Mr. Escobar has performed important projects applied to meteorological sciences and remote sensing in Latin America and the U.S. as a project engineer of the ISD division of SUTRON Corporation in Virginia, USA. His current main research and professional interests are data modeling and the application of signal processing and artificial intelligence tools to different areas of science and engineering, especially those of cross-disciplinary approach as in the case of life sciences.

He has published papers, tutorials, and technical reports in the fields of applied harmonic analysis, electrical engineering, and signal processing, among others, which were presented in peer-reviewed journals and conference proceedings.

Mr. L. Escobar has been invited to peer review publications and presided as a chair of sessions in various science and engineering conferences. He has also been invited to serve as a judge in IEEE-sponsored robotics competitions in the U.S. and has also served as a chapter officer of the IEEE Robotics Society of the Washington D.C. Section.