

Prof. Sandra Cruz-Pol, PhD. E.E.

Sandra Cruz-Pol obtained her Ph.D. in Electrical Engineering from Penn State University in the area of microwave remote sensing of atmospheric gases and ocean emissivity from space. Her MS degree was from the University of Massachusetts on polarimetric radars for earth remote sensing. She has given numerous conferences and workshops on Global Warming, Climate Change and their Solutions. She founded the Campus Verde (Green Campus) initiative in 2007 at UPRM [see <http://campusverde.uprm.edu/>] to increase awareness of things people could do in their everyday to help reduce their ecological footprint on the planet.

She is a faculty member at UPRM since 1991 where she is currently a professor and has worked in several projects sponsored by the National Science Foundation (NSF), NASA and other agencies. She teaches courses in the area of Electromagnetics, Antennas, Radars, Circuits, among others. Her research interests include remote sensing of rain events, and weather radars. She is the PI for the NSF Center for Collaborative Adaptive Sensing of the Atmosphere (CASA) at UPRM and Co-PI for the NSF TropiNET weather radar network. <http://www.ece.uprm.edu/~pol/>

Dr. Cruz Pol was selected member of the Committee for Radio Frequencies at the U.S. National Academies of Sciences since 2010. She is a Senior member of the Institute of Electrical and Electronic Engineers (IEEE) and a member of the IEEE Geoscience and Remote Sensing (GRS) Society, and of the Tau Beta Pi and Phi Kappa Phi Honor Societies. She is currently the Associate Editor for University Affairs for the IEEE GRS Newsletter. She was recipient of NASA Faculty Award for Research, and the GEM mentorship Award. She was selected Outstanding Professor of the Year from the ECE department on 2003 and has always rated high in students' evaluations. In addition she has experience coordinating the educational and outreach component on two Engineering Research Centers from NSF. <http://stb.ece.uprm.edu/>