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Roberto J. Acosta received his B.S.E.E degree from the University of Puerto Rico, his M.S.E.E. from the University of Toledo and his Ph. D. in Electrical Engineering from the University of Akron. AT NASA's Lewis research Center, he is currently the principal investigator for the technology verification experiments for the system characterization of the Advanced Communication Technology Satellite (ACTS), which includes rain fade sensing and compensation alternatives, multibeam antenna, and system availability. He also leads the in-house experimental research in Ka Band propagation.

Dr. Acosta has over 20 years experience in communications technology research and development and 2 years of satellite communication industry experience at NASA and Hughes Aircraft Company respectively.

He has authored and co-authored over 30 technical publications in the area of spacecraft antenna analysis, thermal distortion compensation and ACTS system characterization. He has received numerous NASA awards including a NASA Engineering Achievement Medal for his work with the ACTS Ka Band multibeam antenna analysis, design and on-orbit performance. Dr. Acosta is an inductee in the Space Technology Hall of Fame, for his technical achievements in advancing the State of Art in Ka Band multibeam antenna technology. He serves as a technical consultant for other NASA centers and industry in Ka Band antenna technology and gave 25 invited talks at National and International conferences, workshops, university colloquia and research institutes.