



Luis Rolo
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Luis Rolo graduated in Electrical Engineering in 2006 in the University of Porto, Portugal, specialized in Telecommunications and Electromagnetics. During his studies he created a stratospheric experiment platform that allowed dozens of European students to fly their own experiments up to 100.000 feet. That was his first contact with near-space, which lead him to join, in 2005, the Education Office in the European Space Agency (ESA) at ESTEC, The Netherlands where he was responsible for the design of the communication antennas on board of the YES2 mission, a satellite designed and built entirely by students and successfully launched in 2007. He return to Portugal for a short period of time and after working in the Portuguese space industry in the field of electrically steered antennas, he returned to ESA to the Antenna and Sub-Millimeter Wave Section in 2006, where he has worked ever since. His interests are focused in antenna systems and antenna measurement techniques for microwave and (sub) millimeter wave space applications. He has been involved in several satellite projects throughout his work in the Agency, mostly during the final integration and testing activities. Currently he provides antenna engineering and testing expertise to the MetOp and JUICE missions and he is the coordinator of the antenna testing facilities in ESA/ESTEC that provide antenna testing and material characterization services between a few hundred MHz and 750 GHz at all different stages of space antenna development – from early design and material selection to Flight Model testing.