

## Alvaro Gonzalez Garcia



Alvaro Gonzalez Garcia was born in Almansa, a small town in eastern Spain. He completed a five-year degree in Telecommunication Engineering at the Universidad Politecnica Valencia, a degree equivalent to Master of Science in Electrical Engineering. In 2007, Alvaro's academic work was recognized with a National Award of Academic Performance in Telecommunications, a prize that is awarded annually to the top three telecommunications engineers who have graduated from Spanish universities.

Alvaro's master's thesis was presented at Alcatel Alenia Space, in Toulouse, France. His thesis investigated the multipactor effect and design of high power filters for on-board satellite

antennas and was awarded a Cum Laude distinction at the Universidad Politecnica Valencia. Alcatel later patented Alvaro's thesis work.

Prior to the completion of his master's in September 2005, Alvaro joined the International Space University, based in Strasbourg, France, where he completed a Master of Science in Space Studies in September 2007. During that time, he held an internship at the Japanese Aerospace Exploration Agency (JAXA) in Tsukuba, Japan. His internship work focused on helical antennas for telemetry and command on board satellites.

After obtaining his second master's, Alvaro was granted a Spanish Government Scholarship to become a trainee at the European Space Agency in Noordwijk, The Netherlands. There, he worked on millimeter-wave circuits for space science applications and antennas for satellite communications.

In 2008, Alvaro received an International Fulbright Science and Technology Award which has allowed him to pursue a Master of Science/Ph.D. program at the California Institute of Technology. Upon his arrival at Cal Tech, Alvaro was also awarded an Atwood Fellowship. His current research focuses on the design of instruments for remote sensing and astronomy space missions. He hopes that part of it will be conducted at the NASA Jet Propulsion Laboratory.