

## **Robert Soler Bio**

Robert Soler is Vice President of Human Biological Technologies and Research at Biological Innovation and Optimization Systems (BIOS). Prior to his work with BIOS, his most prominent work was with the Kennedy Space Center, where he helped design and build the first LED light for use on the International Space Station (ISS) and collaborated with scientists to use LED light for photo biological purposes in space. Robert's years of experience as an electrical and lighting engineer have led him to become an inventor of 78 issued patents in the U.S. After his work at NASA and before joining BIOS, he led the research team in the development of the ISS photobiologically corrected white light that is responsible for circadian entrainment of astronauts. He has authored several published papers on light and its use for air and water disinfection and for human health benefits, including one with Dr. Brainard documenting the lighting done on International Space Station. He holds a Master of Science degree from the Lighting Research Center at Rensselaer Polytechnic Institute, the premier master's level graduate degree offered in the lighting field, and has pursued a PhD in Behavioral Neuroscience at the University of California, San Diego.