Dr. Yuval Reuveni is currently heading the Remote Sensing Laboratory at the Department of Geophysics and Space Sciences in the Eastern R&D Center and is also a faculty member at the Physics Department in Ariel University. He has more than 15 years of experience in electromagnetic wave propagation in the upper atmosphere. He is a former PhD student of Prof. Colin Price, a world expert in Atmospheric Electricity, and recently got back to Israel to take an academic position at the Eastern R&D Center after completing a postdoctoral training at the Geodynamics and Space Geodesy group at NASA's Jet Propulsion Laboratory (JPL), and later on at the Institute of Geophysics and Planetary Physics at Scripps Institution of Oceanography, UC San Diego. Both places have provided ample opportunities for him to form collaborations with world leading scientists in the emerging field of GPS technology, applied to improving earth observation remote sensing technologies by reducing key sources of errors due to multipath effects and path delays caused by tropospheric and ionospheric propagation. At present he is also the Israeli official member in the European COST action ES1206 related to Advanced Global Navigation Satellite Systems tropospheric products for monitoring severe weather events and climate (GNSS4SWEC), and COST action CA15211 related to Atmospheric Electricity coupling with the Earth System and climate.

Currently, Dr. Reuveni research is focused on combining different ground- and space-based remote sensing technologies to study different lithospheric-tropospheric-ionospheric coupling mechanisms. His research group is using and upgrading the existing GPS receivers' network, currently operated in Israel, along with gamma ray detectors, ULF magnetic sensors and other available remote sensing infrastructures to form a unique multi-parametric scientific platform and lead fundamental and applied geodynamic and atmospheric studies. This platform will also have the ability to detect, characterize, assess, forecast, and mitigate natural hazards, such as earthquakes, tsunamis, extreme storms, flooding, and space weather events.