Eyal Ben-Dor is a full professor at the Tel Aviv University (TAU) and was the chair of the Geography and Human Environment Department at Tel-Aviv University from 2005-2009 and again from 2012-2015. Currently he is serving as the head of the remote sensing laboratory (RSL) within this department and a GEO principle of Israel under the Israel Space Agency appointment and mandate. He has more than 28 years experience in remote sensing of the Earth, with special emphasis on the Hyperspectral Remote Sensing technology (HRS), soil spectroscopy and environment monitoring. He developed many applications using the HSR technology for civil engineering, medicine, veterinary, environmental science, water management, vegetation monitoring, atmosphere assessment and soil mapping and monitoring. His studies focus on both quantitative and qualitative analyses of field and laboratory reflectance and emittance radiation across the VNIR-SWIR-LWIR spectral regions (0.4-14μm) and on processing of airborne and orbital hyper spectroscopy data for precise and unique terrestrial mapping. He has a strong background in soil science, spectroscopy and remote sensing and is an author of more than 200 papers, book chapters and technical reports. He is the founder of the soil spectroscopy discipline began 30 years ago and now is leading this field into the precision agriculture era. He is an advisor for the SHALOM ASI-ISA mission to space and is a MAG member of the advisory board of CHIME mission on behalf of the European Space Agency (ESA). In addition, he is a member of the EMIT- NASA scientific team mission to mount an hyperspectral sensor onboard the Intentional Space Station in 2022. Recently he was appointed as the chair of the WG P4005 under IEEE SA to generate standard and protocols for soil spectral measurements.