

Victor Alchanatis



Victor Alchanatis is a senior research scientist at the Institute of Agricultural Engineering at ARO. He possesses a B.Sc. and M.Sc. in Agricultural Engineering from the Technion, Haifa, with specialization on soil, water and irrigation engineering. His D.Sc. from Agricultural Engineering, Technion was focused on computer vision and image processing. He served as a post-doctoral fellow at Texas A&M University during 1993-1995 and specialized in spectral imaging and real time image processing. Since 1995 he is a research scientist in the Institute of Agricultural Engineering at ARO. His research interests include sensing technologies and their application to agricultural and environmental systems: optical sensing in the visible, near-infrared and thermal infrared spectrum, hyper-spectral and multi-spectral image processing, computer vision and classification systems. These sensing technologies are applied for precision farming in field crops, orchards and protected cultivation, as well as for nondestructive testing of fruits and vegetables in post harvest systems. Since 2013, he serves as the Director of the Agricultural Engineering Institute. During the past 10 years, he also served as the Head of sensing, mechanization and information engineering department (for six years). He is a member of the Israeli, the American and the European societies of Agricultural Engineering. He chairs the working group on emerging technologies in the European society of Agricultural Engineering and is a member of Section Board VII of CIGR (International Commission of Agricultural Engineering). He serves in steering and scientific review committees for proposal evaluation in Agricultural Engineering and reviewer of papers in international journals. He has published more than 60 papers in international peer-reviewed journals, more than 100 in other journals and conference proceedings, has served as a guest editor of a special issue of the journal of Biosystems Engineering, and serves today as a member of the editorial board of international journals, Biosystems Engineering and Precision Agriculture.

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