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Precision Agriculture: Image Processing and Data Analysis

Abstract

In this talk we present applications of image processing and data analysis to precision agriculture in Uruguay: identification of spatial heterogeneity using historical series of LANDSAT images, growth prediction using optimal sampling points obtained from satellite images and applications of Digital Elevation Models to soil preservation.

Biographical Sketch

Phd. in Electrical Engineering. Associate Professor at the Department of Electrical Engineering of UCU. He is actually the Dean of the School of Engineering and Technologies. Since 2003 he has been working on innovation and development for industry in the fields of signal processing, data analysis, remote sensing and medical imaging. He has published more than 35 papers in international journal and conferences, and obtained several scientific awards. He co-founded dSense a consultancy company with clients in Uruguay, France and USA.