Conference Committee

Introduction

The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) p. 1
Hyperspectral remote sensing for the monitoring of plant parameters of maize (Zea mays) p. 13
Characteristics of AVIRIS bands measurements in agricultural crops at Blythe area, California: III. Studies on Teff grass p. 25
Assessing land-use/land-cover mapping of agricultural area using high-resolution satellite data and GIS techniques p. 42
Cereals discrimination based on spectral measurements p. 53
Use of ETM+ thermal band to identify irrigation patterns in the Aral Sea basin, Kazakhstan p. 62
Optical and fluorescence properties of corn leaves from different nitrogen regimes p. 72

Ground profile sensing by radar for harvesting applications p. 84
Crop and range alert system in the U.S. northern Great Plains p. 93
Relative time NDVI mosaics as an indicator of crop growth p. 100
Evaluating agricultural and nonagricultural carbon fixation over India using remote sensing data p. 108
Spectral signature and temporal variation in spectral reflectance: keys to identify rubber vegetation p. 114
ROCSAT-2 spectral reflectance experiments using local three-end-member spectral mixed model in Taiwan p. 125
Use of semi-empirical and radiative transfer models to estimate biophysical parameters in a sparse canopy forest p. 133
Comparisons among normalized vegetation indices for the determination of LAI p. 145
Fire risk mapping using satellite imagery and ancillary data: toward operationality p. 154

ASTER thermal infrared observations over New Mexico p. 166
Multifrequency ground-based radiometer and in-situ measurements of soil moisture at high temporal resolution p. 174
Derivation of a global soil moisture and vegetation database from passive microwave signals p. 184
Two surface temperature retrieval methods compared over agricultural lands p. 194
Surface parameter retrieval at global scales by microwave remote scanning p. 202
Estimating soil hydraulic properties from time series of remotely sensed and in-situ-measured topsoil water content p. 211
Turbulence-induced spatial variation of surface temperature in high-resolution thermal IR satellite imagery p. 221
Seasonal dynamics and stem volume retrieval in boreal forests using JERS-1 backscatter p. 231
Method and device for remote sensing of vegetation p. 243
Analysis of forest biomass variation in the Amazon and its influence on the response of P-band SAR polarimetric data p. 252
Establishment of man-made forest management system for energy use by using Landsat/TM imagery p. 260
Assessment of hyperspectral imaging system for poultry safety inspection p. 269
Monitoring thermal status of ecosystems with MODIS land-surface temperature and vegetation index products p. 280

Estimating above-ground biomass using lidar remote sensing p. 289

Application of hyperspectral remote sensing in plant classification p. 297

Spatial and temporal analysis of the physiological state of the Yatir forest with respect to drought years p. 311

Linear spectral mixture model as a tool for monitoring deforestation and timber exploitation in the Brazilian Amazon p. 320

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.