

# Contents

Letter from the editors 2

*Foreword* by David Landgrebe 3

***The Characterization of Soil Properties to Develop “Soil Management/Mapping Units” Using High-Resolution Remotely Sensed Data Sets 5***

D. Keith Morris, Kenton W. Ross, & Christian J. Johannsen

***Recognizing Patterns Within Cropland Vegetation: A Crop Anomaly Classification System 38***

Paul G. Carter, Christian J. Johannsen, & Bernard A. Engel

***On-Farm Profitability of Remote Sensing in Agriculture 50***

Frank Tenkorang & James Lowenberg-DeBoer

***Simulation System for Investigation of the Aral-Caspian Water Regime 60***

Vladimir Krapivin, Anatolij M. Shutko, Alexander A. Chukhlantsev, & Sergei P. Golovachev

***Improving the Accuracy of Historic Satellite Image Classification by Combining Low-Resolution Multispectral Data with High-Resolution Panchromatic Data 70***

Daniel J. Getman, Jonathan M. Harbor, Christian J. Johannsen, Bernard A. Engel, & Guofan Shao