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	Nota di contenuto	Inference System to Schedule Irrigation Applications with an Intelligent Agent -- Decision Support System for Precision Irrigation Using Interactive Maps and Multi-agent concepts -- Silkworm Growth Monitoring in Second Stage -Instar- Using Artificial Vision Techniques -- Wireless Sensor Network for Monitoring Climatic Variables and Greenhouse Gases in a Sugarcane Crop -- Design and Development of an Intelligent Seed Germination System Based on IoT -- Electronic Crop (e-Crop): An Intelligent IoT Solution for Optimum Crop Production -- Coffee crops variables monitoring: A case of study in Ecuadorian Andes -- IoT Network Applied to Agriculture: Monitoring Stations for Irrigation Management in Soils Cultivated with Sugarcane.

Sommario/riassunto

This book presents novel communication technology solutions to address the effects of climate change and climate variability on agriculture, with a particular focus on those that increase agricultural production. It discusses decision support and early warning systems for agriculture; information technology (IT) supporting sustainable water management and land cover dynamics; predictive of crop production models; and software applications for reducing the effects of diseases and pests on crops. Further topics include the real-time monitoring of weather conditions and water quality, as well as food security issues. Featuring the proceedings of the International Conference of ICT for Adapting Agriculture to Climate Change (AACC'18), held on November 21–23, 2018, in Cali, Colombia, the book represents a timely report and a source of new ideas and solutions for both researchers and practitioners active in the agricultural sector around the globe.