

# Computer and Computing Technologies in Agriculture X

Daoliang Li

► **To cite this version:**

Daoliang Li. Computer and Computing Technologies in Agriculture X: 10th IFIP WG 5.14 International Conference, CCTA 2016, Dongying, China, October 19–21, 2016, Proceedings. Springer International Publishing, AICT-509, 2019, IFIP Advances in Information and Communication Technology, 978-3-030-06154-8. 10.1007/978-3-030-06155-5. hal-02179957

**HAL Id: hal-02179957**

**<https://hal.inria.fr/hal-02179957>**

Submitted on 11 Jul 2019

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Daoliang Li (Ed.)

# Computer and Computing Technologies in Agriculture X

10th IFIP WG 5.14 International Conference, CCTA 2016  
Dongying, China, October 19–21, 2016  
Proceedings

*Editor*  
Daoliang Li  
China Agricultural University  
Beijing, China

ISSN 1868-4238                      ISSN 1868-422X (electronic)  
IFIP Advances in Information and Communication Technology  
ISBN 978-3-030-06154-8              ISBN 978-3-030-06155-5 (eBook)  
<https://doi.org/10.1007/978-3-030-06155-5>

Library of Congress Control Number: 2018964697

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The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

## Preface

The 10th International Conference on Computer and Computing Technologies in Agriculture (CCTA 2016) was held in Dongying, China, during October 19–21, 2016.

The conference was hosted by the China Agricultural University (CAU), Information Technology Branch of China Animal Husbandry and Veterinary Association. It was sponsored by the Chinese Society of Agricultural Engineering (CSAE), the Kenli District Government, Da Bei Nong Group, Beijing Nong Xintong Technology Co. Ltd.

In order to promote the exchange and cooperation among scientists and professionals from different fields and to strengthen international academic exchange, the Information and Modern Agriculture Joint Conference includes the IFIP International Conference on Computer and Computing Technologies in Agriculture (10th CCTA) and the Academic Symposium of Information Technology Branch of China Animal Husbandry and Veterinary Association. These events provide a platform, for experts and scholars from all over the world to exchange techniques, ideas, and views on intelligent agricultural innovation. These experts and scholars from all over the world exchange the new theories, views, technologies, and products and share practical experiences in research and applications in intelligent agriculture innovation. Nine international CCTA have been held since 2007.

The topics of CCTA 2016 covered the theory and applications of all kinds of technology in agriculture, including intelligent sensing, cloud computing, key technologies of Internet of Things, precision agriculture, etc.; animal husbandry information technology, including Internet and modern animal husbandry, livestock big data platform and cloud computing applications, intelligent breeding equipment, precision production models, etc.; water product networking and big data, including fishery IoT, aquaculture intelligent facilities, big data applications, etc.

We selected the 54 best papers among the 128 papers submitted to CCTA 2016 for these proceedings. All papers underwent two reviews by experts from the Special Interest Group on Advanced Information Processing in Agriculture (AIPA), IFIP. In these proceedings, creative thoughts and inspirations can be discovered, discussed, and disseminated. It is always exciting to have experts, professionals, and scholars with creative contributions getting together to share inspiring ideas and to accomplish great developments in the field.

I would like to express my sincere thanks to all authors who submitted research papers to the conference. Finally, I would also like to express my gratitude to all speakers, session chairs, and attendees, both national and international, for their active participation and support of this conference.

# Conference Organization

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China Agricultural University  
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Association  
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# Contents

Study on the Theory and Practice of Data Visualization . . . . .	1
<i>Quan Wu, Xiaochen Li, Danqiong Wang, Weijie Jiao, and Xue Han</i>	
Assessing the Ability of Image Processing Methods of Droplets Sprayed on Water Sensitive Papers for Aerial Application . . . . .	10
<i>Gang Xu, Ruirui Zhang, Liping Chen, Qing Tang, Min Xu, and Wanmin Zhang</i>	
Application of “GaoFen-1” Satellite Data and “Micro-UAV” Data in Remote Sensing Monitoring in Winter Wheat—Illustrated by a Case of Jizhou in Hebei Province . . . . .	20
<i>Yuechen Liu, Weijie Jiao, Haijun Wang, and Xue Han</i>	
Research on Reflectance Spectra Measurement of Chlorophyll-Containing Water in Laboratory . . . . .	30
<i>Yinchi Ma, Yetao Li, Yonghua Qu, and Wen Ding</i>	
Study on Simulation of Rice Yield with WOFOST in Heilongjiang Province . . . . .	40
<i>Shangjie Ma, Zhiyuan Pei, and Yajuan He</i>	
Application of the Data from Landsat8 OLI - The New Generation of Landsat Series in the Cultivated Land Information Extraction . . . . .	52
<i>Luyan Niu, Taichang Cui, Jiabo Sun, and Xiaoyan Zhang</i>	
Research on High Precision pH Sensing Device Based on Cloud Platform Service . . . . .	64
<i>Zhiyue Shang, Xin Zhang, Cheng Zeng, Yuanfang Yao, Yunlong Bu, and Yu Cai</i>	
Effects of Waterlogging and Shading at Jointing Stage on Dry Matter Distribution and Yield of Winter Wheat. . . . .	80
<i>Yang Liu, Xiaoyu Liu, Jing Cao, Chunlin Shi, and Shouli Xuan</i>	
Identification of Eggplant Young Seedlings Infected by Root Knot Nematodes Using Near Infrared Spectroscopy. . . . .	93
<i>Wei Ma, Xiu Wang, Lijun Qi, and Dongyan Zhang</i>	
Applicability of Model Updating Method to Different Detection Indexes of Cold Fresh Pork . . . . .	101
<i>Shanmei Liu, Hui Peng, Ruifang Zhai, and Jun Luo</i>	

Detection of Defects in *Malus asiatica* Nakai Using  
Hyperspectral Imaging . . . . . 111  
*Jianglong Liu, Shujuan Zhang, Haixia Sun, and Zhiming Wu*

Study and Development of the Precision Management System  
for Livestock . . . . . 123  
*Fengyun Wang, Wenjie Feng, Jiye Zheng, and Huaijun Ruan*

Kinematic Simulation of Vibrating Disc No-Till Seeder  
Based on Creo Software . . . . . 134  
*Caiyun Lu, Zhijun Meng, Xiu Wang, Guangwei Wu, Liwei Li,  
Weiqiang Fu, and Jiayang Yu*

Calculation of Effective Rainfall in the Spring Maize Growing Period . . . . . 143  
*Nana Han, Gangyan Lou, Yangren Wang, Qingyun Zhou, Jianhua Jin,  
Songmin Li, and Lantao Ye*

Simulation of Evaporation and Transpiration of Eggplant Under Mulch  
Drip Irrigation in Greenhouse . . . . . 152  
*Zhiwei Zheng, Liuyan Yu, and Xiushui Liu*

Design and Development of Greenhouse Energy Management Platform  
Based on STM32 . . . . . 160  
*Junlin Sun, Xin Zhang, Cheng Zeng, Wengang Zheng, Lipeng Guo,  
and Yali Du*

Study on the Dynamic Low Limit of Irrigation for Winter Wheat . . . . . 173  
*Hongzheng Shen and Yangren Wang*

Research on Plant Growth Simulation Method Based on ARToolkit . . . . . 189  
*Peng-fei Zhao, Tian-en Chen, Wei Wang, and Fang-yi Chen*

Control System Design of Soy Sauce Koji-Making Based on ARM. . . . . 197  
*Min Zhang, Yuhua Wu, Ting Yang, and Shijun Li*

Research on the Comprehensive Evaluation of Alfalfa Management  
in Zuli River Basin . . . . . 204  
*Rui Guo, Cui Yun Wang, Xue Ying Shang, and Xuan Mi*

Fruit Tree Image Registration Based on Improved FAST Algorithm . . . . . 212  
*Juan Feng, Lihua Zeng, and Jianping Li*

Development of a Recognition System for Alfalfa Leaf Diseases  
Based on Image Processing Technology. . . . . 218  
*Feng Qin and Haiguang Wang*

Design Optimization and Performance Evaluation of a Tillage Depth Precision Measurement System . . . . .	236
<i>Kang Niu, Yanwei Yuan, Junning Zhang, Fengzhu Wang, Yangchun Liu, Xianfa Fang, and Hong Cheng</i>	
Research on Evaluation of Soil Fertility Resource Space Based on Regional Hotspots and Clustering Method . . . . .	246
<i>Guifen Chen, Jian Lu, Ying Meng, and Dongxue Wang</i>	
Research on GA-RBF Optimization Algorithm in the Prediction of Yield Loss of Maize Diseases and Pests . . . . .	257
<i>Guifen Chen, Dongxue Wang, Shan Zhao, and Siwei Fu</i>	
The Association Rules Algorithm Based on Clustering in Mining Research in Corn Yield . . . . .	268
<i>Bo Liu and Guifen Chen</i>	
Application of Principal Component Cluster Analysis in the Quality of Cordyceps Sinensis . . . . .	279
<i>Xin Zhao, Hongjian Yang, Yuqi Sheng, Yang Jiao, Haijiao Yu, Yao Qin, and Guogang Zhao</i>	
Principal Component Clustering Analysis Apply to the Amino Acid Content in Antler Based on Matlab . . . . .	284
<i>Xin Zhao, Jing Wang, Yang Jiao, Haijiao Yu, Yao Qin, Quanming Li, and Guogang Zhao</i>	
The Principal Component Analysis and Cluster Analysis of Trace Elements in Gentian . . . . .	291
<i>Xin Zhao, Mingwei Xu, Guoqing Sun, Yang Jiao, Haijiao Yu, Quanming Li, and Guogang Zhao</i>	
Research on Color and Shape Recognition of Maize Diseases Based on HSV and OTSU Method . . . . .	298
<i>Guifen Chen, Ying Meng, Jian Lu, and Dongxue Wang</i>	
Research on Variation Rule of Sensible Heat Flux in Field Under Different Soil Moisture Content and Underlying Surface by Large Aperture Scintillometer . . . . .	310
<i>Xin Han, Qingyun Zhou, Baozhong Zhang, and Di Xu</i>	
Design Method for Chemical Clogging Emitters Boundary Optimization . . . .	318
<i>Xu Li, Peiling Yang, Shumei Ren, Lili Zhangzhong, and Lihong Yang</i>	
Strategies of Agricultural Manufacturing Industrial Cluster Knowledge Service Platform Construction and Optimization: The Case of Shandong Province . . . . .	330
<i>Qiong He and Minli Yang</i>	

Application of GIS and Modified DRASTIC Model Based on Entropy Weight and Fuzzy Theory to Ground Water Vulnerability Evaluation . . . . .	342
<i>Shaofei Li and Guanyou Li</i>	
Simulation Research on Water Quality in the Irrigation Section of Jinsha River . . . . .	354
<i>Xu Wang and Ping Yu</i>	
Research on Virtual Simulation of Flood Propagation in Agricultural Area Under the Land Subsidence . . . . .	360
<i>Ping Yu, Shaofei Li, and Xu Wang</i>	
Research on the Clustering Method of Agricultural Scientific Data Based on the Author's Scientific Research Relationship . . . . .	372
<i>Dingfeng Wu, Liyun Wang, Jian Wang, Hua Zhao, and Guomin Zhou</i>	
Evaluating E-Service Quality of Agricultural Business Websites in China: E-S-QUAL Model Approach . . . . .	381
<i>Ke Sun, Yan Li, Yiliang Wang, Xi Wu, and Yiming Huang</i>	
Design of Agaricus Bisporus Automatic Grading System Based on Machine Vision . . . . .	388
<i>Jiye Zheng, Wenjie Feng, Bingfu Liu, and Fengyun Wang</i>	
Study on China-Laos Forestry Cross-Border Cooperation Strategy Model. . . . .	396
<i>Yu He</i>	
The Monitoring System for Agricultural Environment Based on Point Surface Fusion with the Internet of Things and WebGIS . . . . .	406
<i>Guifen Chen and Yinglun Li</i>	
Study on Social Stability Risk Detection of Large Hydraulic Project Construction Based on Social Vulnerability Evaluation . . . . .	415
<i>Aihua Wu, Changzheng Zhang, and Ma Zhijie</i>	
Research on Intelligent Decision of Pulmonary Tuberculosis Disease Based on Data Mining. . . . .	425
<i>Guifen Chen, Wang Ke, and Ma Li</i>	
Removing Stray Noise Quickly from Point Cloud Data Based on Sheep Model . . . . .	435
<i>Chunlan Wang, Heru Xue, Xinhua Jiang, Yanqing Zhou, and Liyan Wang</i>	
Modelling and Predicting of Soil Electrical Conductivity and PH from Semi-arid Grassland Using VIS-NIR Spectroscopy Technology. . . . .	442
<i>ShangBin Lei, NiSha Bao, ShanJun Liu, and XiaoCui Liu</i>	

Effect of Plants Combination in Purifying Farmland Drainage . . . . . 454  
*Songmin Li, Qingyun Zhou, Nana Han, and Shuhong Sun*

Problems and Countermeasures of 3S Technologies Application  
in Precision Agriculture . . . . . 464  
*Qiulan Wu, Zhihong Liu, Dandan Yang, and Zhenrong Han*

Feature Selection for Cotton Matter Classification . . . . . 473  
*Xuehua Zhao, Ying Huang, Zhao Li, Shukai Wu, Xiuhong Ma,  
Hua Chen, and Xu Tan*

Effect of Calibration Set Selection on Quantitatively Determining Test  
Weight of Maize by Near-Infrared Spectroscopy . . . . . 481  
*Lianping Jia, Peng Jiao, Junning Zhang, Zhen Zeng, and Xunpeng Jiang*

Research on Method of Image Extraction for Crop Monitoring  
with Multi Rotor UAV . . . . . 489  
*Wei Ma, Xiu Wang, Lijun Qi, and Cuiling Li*

Prediction of Drying Indices for Paddy Rice in a Deep Fixed-Bed  
Based on Neural Network . . . . . 496  
*Danyang Wang, Chenghua Li, Benhua Zhang, and Ling Tong*

Definition Management Zones of Drip Irrigation Cotton Field  
Based on the GIS and RS . . . . . 508  
*Ze Zhang, Zhouyang Li, Lulu Ma, Xin Lv, and Lifu Zhang*

A Survey on Development of “Internet + Farmer Cooperative” in China . . . . . 518  
*Guo-peng Zhang, Jie-ling Zou, Jing Hua, Li-ming Wang, Jing-shun Du,  
and Yu-bin Wang*

Hyperspectral Estimation of Leaf Area Index of Winter Wheat  
Based on Akaike’s Information Criterion . . . . . 528  
*Haikuan Feng, Fuqin Yang, Guijun Yang, and Haojie Pei*

**Author Index . . . . . 539**