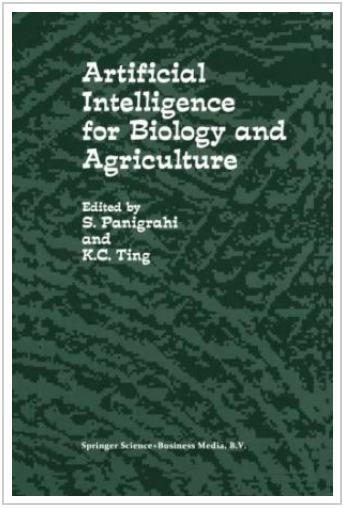

Artificial Intelligence for Biology and Agriculture

By -

Springer. Paperback. Book Condition: New. Paperback. 262 pages. Dimensions: 9.2in. x 6.1in. x 0.6in.and morphological identification of cotton fibers depicts the complexity and heterogeneities of the problems and their solutions. The development of a real-time orange grading systems in the article Video grading of oranges in real-time further reports the capability of computer vision technology to meet the demand of high quality food products. The integration of neural network technology with computer vision and fuzzy logic for defect-detection in eggs and identification of lettuce growth shows the power of hybridization of AI technologies to solve agricultural problems. Additional papers also focus on automated modeling of physiological processes during postharvest distribution of agricultural products, the applications of neural networks, fusion of AI technologies and three dimensional computer vision technologies for different problems ranging from botanical identification, cell migration analysis to food microstructure evaluation. This special issue Artificial Intelligence in Biology and Agriculture has been made possible due to the unconditional help, cooperation and time devotion from many people. We highly appreciate the contributions from the authors and their co-authors. We sincerely acknowledge all reviewers for taking time to review these articles. The reviewers were: Dr. Kuanglin Chao, Dr. Floyd E. Dowell,...

Reviews

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