Special Issue

Advanced Research on Information Collection, Modeling, and Control Used in Facility Agriculture

Message from the Guest Editors

Greenhouse crop production is an important facility agriculture production method that can significantly improve crop yield and quality and is receiving more and more attention. Due to the inherent complexity of the greenhouse system, the regulation of greenhouse crop production is still a great challenge. Therefore, developing advanced greenhouse microclimate control technologies, system modeling methods, decision and support systems, sensors, and measurement methods is an important way to improve the economic and social efficiency of greenhouse crop production. To promote the development of greenhouse facility agriculture, this Special Issue will provide an up-to-date perspective of greenhouse system modeling and control, computer vision and image processes, artificial intelligence, Internet of Things technology in greenhouse facility agriculture, sensor and measurement techniques, and decision optimization methods. The papers that will be published in this Special Issue should serve as a useful reference for greenhouse system modeling and control studies and will contribute to further advancement of greenhouse crop production technology.

Guest Editors

Prof. Dr. Lihong Xu

Department of Control Science & Engineering, Tongji University, 1239 Siping Road, Shanghai 200092, China

Dr. Yuanping Su

College of Energy and Mechanical Engineering, Jiangxi University of Science and Technology, Nanchang 330013, China

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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