



Yubin Lan

Affiliation

School of Artificial Intelligence
South China Agriculture University
Guangzhou, China

Publication Topics

agriculture, agricultural engineering, agricultural robots, automatic optical inspection, autonomous aerial vehicles, data handling, feature extraction, genetic algorithms, image colour analysis, image reconstruction, image registration, medical image processing, metaheuristics, mobile robots, multi-robot systems, normal distribution, optical radar, particle swarm optimisation, path planning, pattern clustering, pesticides, probability, search problems, transforms, vegetation

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Biography

Yubin Lan received the B.S. and Ph.D. degrees in agricultural machinery engineering from Jilin University, in 1982 and 1989, respectively, and the second Ph.D. degree in agricultural engineering from Texas A&M University, in 1993. His main research interests include remote sensing technology and precision agriculture. He is the Director and the Chief Scientist at the National Center for International Collaboration Research on Precision Agricultural Aviation Pesticides Spraying Technology (NPAAC), China. He has been engaged in agricultural engineering over 40 years. He firstly proposed the concept “Precision Agricultural Aviation (PAA)” in the world and has established the first “Ecological Unmanned Farm” in China. He is currently the Chairperson of the International Society of Precision Agricultural Aviation (ISPAA) and the CIGR Precision Aerial Application Technology Working Group. He is a well-known scientist in agricultural aviation, especially in agricultural drones’ research and applications.

Present Occupations:

- Member of European Academy of Sciences, Arts and Humanities
- the Academician of the Georgian National Academy of Science
- the Academician of Russian Academy of Natural Sciences
- Professor and Ph.D. Supervisor in South China Agricultural University
- Associate President and Professor in Shandong University of Technology
- Director and Lead Scientist of the National Center for International Collaboration Research on Precision Agricultural Aviation Pesticide Spraying Technology (NPAAC)
- Adjunct Professor, Department of Biological and Agricultural Engineering, Texas A&M University, College Station, TX 77845
- Founder and Chairman of CIGR Precision Aerial Application Working Group
- President of International Society of Precision Agricultural Aviation (ISPAA)
- Co-Editor of International Journal of Precision Agricultural Aviation (IJPAA)