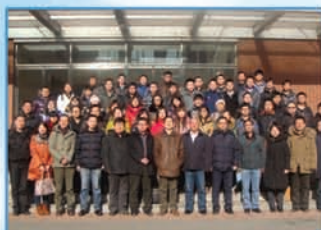


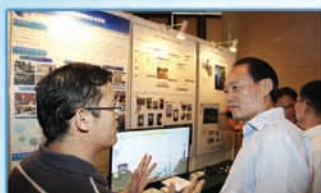
China Agricultural University
Beijing Engineering and Technology Research Center for Internet of Things in Agriculture
China-EU Center for Information & Communication Technologies in
Agriculture(CICTA)



Innovative Team



The fourth session of the Yellow River delta international ecological agriculture exposition



The national achievements' communication meeting of internet of things



Anne De Paepe, principal from University of visited CICTA together with his team



China-EU joint lab meeting



Beijing Engineering and Technology Research Center for Internet of Things in Agriculture

Dr. Li Daoliang, Professor of College of Information and Electrical Engineering, China Agricultural University (CAU), Director of the Information and Intelligence Committee of the Chinese Society of Agricultural Engineering, Vice Chairman of Research Association for Industrial Fish Farming, China Society of Fisheries, Editor-in-Chief of International Journal of Information Processing in Agriculture, Fellow of National Rural Informatization Steering Group, Ministry of Science and Technology of China. Prof. Li is also the Chair of WG5.14 on Advanced Information Processing in Agriculture(AIPA), International Federation for Information Processing (IFIP), Director of China-EU Center for Information & Communication Technologies in Agriculture (CICTA) (www.cicta.cn), and Beijing Engineering and Technology Research Center for Internet of Things in Agriculture, Committee Member of National Internet of Things Standards Committee, Group Leader of the 12th and 13th Five-Year-Plan National Agriculture and Rural Informatization Team, Ministry of Agriculture of China.

The research team for internet of things in aquaculture and intelligent equipment innovation under the leadership of Prof. Li, including 3 professors, 12 associate professors, has been engaged in the research of agriculture information sensing and intelligent processing. More than 40 research projects have been completed or are being implemented, some of which are supported by National Natural Science Foundation of China, the National 863 Program, National Science and Technology Support Program, the EU Seventh Framework Programme (FP7) and the Horizon 2020 Programme. The team has published 301 papers, including 92 articles indexed by SCI, 192 articles indexed by EI, as well as six monographs, obtained 24 national patents. The team was also awarded 6 provincial level prizes. Prof. Li's team also worked out 4 national standards and 5 industry standards for agricultural sensors, network transmission and control equipment, and other technologies.

In research and development of sensors, Prof. Li's team made great achievements related to revealing the sensing mechanism for dissolved oxygen, ammonia and other multi

parameters, invention of the multi parameter nonlinear compensation calibration model and intelligent transmission method, the breakthrough of aquaculture information reliable transmission technology in the complex environment, the development of the nine series more than 20 types of special aquaculture sensors, collectors, controllers, realizing the localization of sensors production, which have been applied on a large scale in 24 provinces across China.



Aquaculture monitoring management system

Brief Introduction to the CICTA

Products



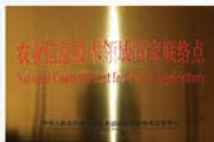
Smart Sensors & Internet of Things



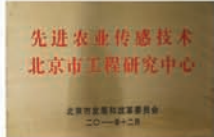
Typical Software Platform



China Agricultural University Fraunhofer AST
Joint Laboratory for Advanced Sensor and System Technologies



National Liaison Office
in Agricultural
Information Technology



Beijing Municipal
Commission of
Development and
Reform: "Beijing
Engineering Center for
Advanced Sensors in
Agriculture"



Strategic Alliance of
Chinese Fishery IOT and
Intelligent Equipment
Industry Technology
Innovation

International Communications

The Center establishes a substantive scientific and technological cooperation with foreign universities and research institutions such as Wageningen University, the University of Twente, the Fraunhofer Institute, Technical University of Munich, University of Messina, University of Illinois, University of Queensland, Agricultural University of Athens, Crete University of Technology, University of Luton, Ghent University.



Academic Conference

China-EU Center for Information & Communication Technologies in Agriculture (CICTA), as the affiliated unit of International Federation for Information Processing (IFIP) - Advanced Information Processing in Agriculture (AIPA), organizes "International Conference on Computer & Computing Technologies in Agriculture" every year. The conference aims to promote domestic and international information technology and the development of information in agriculture, improves the level of computer and computing technologies applied in agriculture, brings researchers and practitioners from the international community together, promotes exchange and cooperation between the international well-known experts and scholars and Chinese counterparts, reviews and discusses the latest advances in computer and computing technologies in the field of agriculture and the development direction in the future. The center also publishes the International Elsevier journal "Information Processing in Agriculture".



International Journal

Information Processing in Agriculture (IPA) is a fast track peer-reviewed and open access academic journal, sponsored by China Agricultural University, the leading agricultural university of China (www.cau.edu.cn) and published by one of the most famous journal publishers Elsevier B.V. (www.elsevier.com). IPA publishes Original research papers, Review articles, Application notes, Book reviews on aquaculture, aquaponics, fishery, horticulture, husbandry, plants, forestry, food, fungi, fibers, and so on, are accepted by IPA. IPA has published 6 issues and has been indexed in Google Scholar, AGRIS, Ulrichsweb, Colorado Alliance of Research Libraries-Open Access Digital Library. Index applications to SCOPUS, DOAJ have been submitted.



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