中国农业工程学会
Chinese Society of Agricultural Engineering

2026 年中韩 AI+农业工程学术研讨会

2026 CSAE-KSAE Symposium on AI Plus AE

会议手册

Conference Handbook

2026 年 8 月 31 日

August 31, 2026

中国 · 北京

Beijing China

主办单位

中国农业工程学会

Host

Chinese Society of Agricultural Engineering (CSAE)

承办单位

中国农业工程学会农业水土工程专委会

中国农业工程学会农业信息与电气工程分会

Organizers

Technical Committee of Agricultural Soil- Water Engineering, CSAE

Branch of Agricultural Information and Electrical Engineering, CSAE

会议须知

Conference Guidelines

（一）请参会人员认真阅读本手册，按时参加会议。如需要帮助，请及时与工作人员联系。

All participants are requested to read this handbook carefully and attend the meeting on schedule. Please contact the staff promptly if you need any assistance.

（二）报告人须在会议开始前 10 分钟到达会场。为保证会议正常进行，请参会代表将手机调至静音状态。请妥善保管好自己的贵重物品和会议资料，严防遗失。

Speakers shall arrive at the venue 10 minutes prior to the session start. To ensure smooth proceedings, all delegates are required to set mobile phones to silent mode. Please take good care of your valuables and conference materials to avoid loss.

（三）会场地址：中国农业大学信息与电气工程学院（北京海淀区清华东路 17 号）

Venue Address: College of Information and Electrical Engineering, China Agricultural University, No.17 Qinghua East Road, Haidian District, Beijing

（五）联系人： 赵老师 13699113095

Contact information: Dr. Zhao 13699113095

2026 年中韩 AI+农业工程学术研讨会议程

Agenda of 2026 CSAE-KSAE Symposium on AI Plus AE

时间：2026 年 8 月 31 日

Time: August 31, 2026

地点：中国农业大学信息与电气工程学院 237 房间

Venue: Room 237, College of Information and Electrical Engineering, China Agricultural University

主持人：王应宽 中国农业工程学会党委委员/执行秘书长，农业农村部规划设计研究院研究员

Moderator: Wang Yingkuan, Executive Secretary-General, CSAE; Research Fellow, Academy of Agricultural Planning and Engineering, Ministry of Agriculture and Rural Affairs

时 间 **Time**	**内 容** **Content**
15:00～15:05	**主持人介绍参会嘉宾** **Introduce Distinguished Guests**
15:05～17:40	**主旨报告** **Keynote Speech**
15:05～15:25	题　目：智慧农业及关键技术创新 Title: Progress and Innovation of Key Technologies in Smart Agriculture 报告人：李民赞，中国农业大学智慧农业研究中心主任、教授 Speaker: Li Minzan, Director and Professor, Smart Agriculture Research Center, China Agricultural University
15:25～15:45	题　目：耕地系统对气候变化的响应 Title: Responses of Cropland Systems to Climate Change 报告人：杨晓光，中国农业工程学会气候变化与农业减灾工程专业委员会主任委员，中国农业大学资源与环境学院教授 Speaker: Yang Xiaoguang, Chair, Technical Committee on Climate Change and Agricultural Disaster-Reduction Engineering, CSAE; Professor, College of Resources and Environmental Sciences, China Agricultural University
15:45～16:15	题　目：韩国农业数字化进程 Title: The Development of Agricultural Digitalization in South Korea 报告人：程黎光，韩国国立全北大学研究助理教授 Speaker: Cheng Liguang, Research Assistant Professor, Jeonbuk National University, Republic of Korea
16:15～16:35	题　目：中国葡萄生产智能化技术和装备 Title: Intelligent Technologies and Equipment for Grape Production in China 报告人：徐丽明，中国农业工程学会农业机械化与装备专委会主任委员，中国农业大学工学院教授 Speaker: Xu Liming, Chair, Technical Committee for Agricultural Mechanization and Equipment, CSAE; Professor, College of Engineering, China Agricultural University

时 间 Time	内 容 Content
16:35～16:55	题　目：智慧农业装备与机器人科技产业动向 Title: Technological and Industrial Trends for Smart Agricultural Equipment and Robots 报告人：刘继展，中国农业工程学会人工智能和农业机器人专业委员会主任，江苏大学农业工程学院教授 Speaker: Liu Jizhan, Chair, Technical Committee on Artificial Intelligence and Agricultural Robots, CSAE; Professor, School of Agricultural Engineering, Jiangsu University
16:55～17:15	题　目：中国西北旱区农业智慧可持续发展 ——面对水资源短缺、土壤盐渍化与城镇化的多重威胁 Title: Towards Smart and Sustainable Agricultural Development in Northwest China – under the Threat of Water Scarcity, Soil Salinization and Urbanization 报告人：毛晓敏，中国农业大学水利与智能工程学院教授 Speaker: Mao Xiaomin, Professor, College of Water Resources and Intelligent Engineering, China Agricultural University
17:15～17:35	题　目：基于北斗的农机作业大数据研究 Title: Research on BeiDou-Based Big Data for Agricultural Machinery Operations 报告人：吴才聪，中国农业工程学会大数据专委会主任委员，中国农业大学信息与电气工程学院教授 Speaker: Wu Caicong, Chair, Big Data Special Committee, CSAE; Professor, College of Information and Electrical Engineering, China Agricultural University
17:35～18:20	**研讨交流** **Discussion** 议题一：AI+水土保持与灌溉，探讨人工智能在精准灌溉、水资源模拟及耕地质量监测中的应用 Topic 1: AI-enabled Soil and Water Conservation & Irrigation. Discuss the applications of artificial intelligence in precision irrigation, water-resource simulation and cultivated-land quality monitoring. 议题二：智能农机与机器人，讨论无人驾驶农机、多传感器融合技术 Topic 2: Intelligent Agricultural Machinery and Robots. Discuss unmanned agricultural machinery and multi-sensor fusion technologies. 议题三：探讨中韩两国在精细农业领域的经验与在大数据场景应用方面的合作路径 Topic 3: Experience Exchanges between China and the Republic of Korea in Precision Agriculture and Cooperation Pathways for Big-data-driven Applications

同期活动
Concurrent Events

14:00～15:00 中国农业大学国家数字渔业创新中心参观

Visit to the National Digital Fishery Innovation Center, China Agricultural University

国家数字渔业创新中心简介

中心成立于2019年，依托中国农业大学信息与电气工程学院。中心学术委员会主任：赵春江院士；中心主任：李道亮教授；中心副主任：陈英义教授、王洋教授、安冬教授。中心主要研究方向：

1、天空地一体化渔业资源、环境、生态监测技术
2、养殖水体先进传感与鱼类行为智能识别技术
3、水产养殖智能信息处理技术
4、水产品保活运输/冷链物流的智能传感与建模
5、水产养殖智能装备与机器人
6、农业农村信息化战略

Introduction to the National Digital Fishery Innovation Center

Established in 2019, the Center is affiliated with the School of Information and Electrical Engineering, China Agricultural University.

Chairman of the Academic Committee: Academician Zhao Chunjiang

Director of the Center: Professor Li Daoliang

Deputy Directors of the Center: Professor Chen Yingyi, Professor Wang Yang, Professor An Dong

Main Research Directions of the Center:

1. Sky-Space-Ground Integrated Monitoring Technologies for Fishery Resources, Environment and Ecology
2. Advanced Sensing for Aquaculture Water Bodies and Intelligent Identification Technology of Fish Behaviors
3. Intelligent Information Processing Technology for Aquaculture
4. Intelligent Sensing and Modelling for Live-keeping Transportation / Cold-chain Logistics of Aquatic Products
5. Intelligent Equipment and Robots for Aquaculture
6. Informatization Strategy for Agriculture and Rural Areas

韩国农业工程学会参会人员简介

Introduction to Participants from Korean Society of Agricultural Engineers (KSAE)

金相旼（김상민，Kim, Sang Min） 韩国农业工程学会会长，韩国庆尚国立大学农业生命科学学院教授

President of KSAE; Professor, College of Agriculture and Life Sciences, Gyeongsang National University, Republic of Korea

主要研究方向包括农业水资源与环境管理、区域资源保护、流域水文与水质过程分析、农业面源污染控制、地下水与地表水相互作用及农业水环境系统评价等。曾任首尔大学农业生命科学研究院研究员，并曾在美国 Virginia Tech 从事博士后研究工作。2007 年起任职于庆尚大学农业生命科学学院，长期从事教学科研与人才培养工作。近年来积极参与韩国农业工程、水资源管理及农业基础设施相关学术与技术工作，曾任韩国农业工程学会理事及编辑委员，并参与韩国水资源公社基础技术审议、韩国农渔村公社技术审议、荣山江与蟾津江流域管理研究等相关工作。在韩国农业工程、农业水资源与区域资源保护领域具有较高的学术影响力和行业代表性。

His main research interests include agricultural water-resource and environmental management, regional resource conservation, analysis of watershed hydrology and water-quality processes, agricultural non-point source pollution control, groundwater-surface water interaction, and assessment of agricultural water-environment systems. He once worked as a research fellow at the Research Institute for Agriculture and Life Sciences, Seoul National University, and completed his post-doctoral research at Virginia Tech, USA. Since 2007, he has been affiliated with the College of Agriculture and Life Sciences, Gyeongsang National University, devoting himself to teaching, scientific research and talent cultivation. In recent years, he has been actively engaged in academic and technical activities related to agricultural engineering, water-resource management and agricultural infrastructure in the Republic of Korea. He has served as a director and editorial board member of the Korean Society of Agricultural Engineers. He has also participated in fundamental-technology reviews for Korea Water Resources Corporation and Korea Rural Community Corporation, as well as research on watershed management for the Yeongsan River and Seomjin River. He enjoys high academic influence and industrial representation in the fields of agricultural engineering, agricultural water resources and regional resource conservation in the Republic of Korea.

张太溢（장태일，Jang, Taeil） **韩国农业工程学会副会长（学科交叉），韩国国立全北大学 农业生命科学学院教授，兼任全北大学智慧农场学科教授**

Vice-President (Interdisciplinary Research), KSAE;

Professor, College of Agriculture and Life Sciences, Jeonbuk National University, Republic of Korea; Concurrent Professor for Smart Farm Program, Jeonbuk National University

主要研究方向包括智慧水资源工程、农业水文过程模拟、农田水资源与环境管理、精准农业水分调控等。多年参与韩国国家及区域层面的水资源规划、建设技术审议与环境咨询，主持多项韩国国家级课题，在跨机构合作、水资源治理与农业工程领域具有丰富经验。历任全北大学农业生命科学学院副院长、校企划处处长、校园设计室室长等。近年来活跃于多个政府及行业委员会，包括韩国国家水管理委员会、海洋水产部技术咨询委员会、国土交通部中央建设技术审议委员会、新万金开发厅城市规划委员会、荣山江流域环境厅技术咨询委员会等。现任韩国农业工程学会副会长、韩国水资源学会与韩国农村计划学会理事，并担任 Paddy and Water Environment 期刊 Managing Editor，在农业水资源与农田环境研究领域发表多篇重要论文。

His main research interests cover smart water-resource engineering, simulation of agricultural hydrological processes, farmland water-resource and environmental management, and precision-agriculture water regulation. He has long been involved in national and regional water-resources planning, construction-technology review and environmental consultation in the Republic of Korea. He has chaired multiple national-level R&D projects and accumulated rich experience in inter-institutional cooperation, water-resource governance and agricultural engineering. He has previously held administrative positions at Jeonbuk National University including Vice Dean of the College of Agriculture and Life Sciences, Director of the University-Enterprise Cooperation Division, and Head of the Campus Design Office. In recent years, he has served on numerous governmental and industrial committees, such as the National Water Management Committee of Korea, Technical Advisory Committee of the Ministry of Oceans and Fisheries, Central Construction Technology Review Committee under the Ministry of Land, Infrastructure and Transport, Urban Planning Committee of Saemangeum Development and Investment Agency, and Technical Advisory Committee of the Yeongsan River Basin Environmental Office. Currently he serves as Vice-President of the Korean Society of Agricultural Engineers (KSAE), Director of the Korean Society of Water Resources and the Korean Rural Planning Society. He is also the Managing Editor of the journal *Paddy and Water Environment*, and has published many key papers in the fields of agricultural water resources and farmland-environment research.

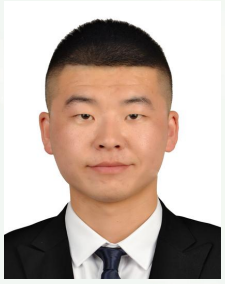
金学宽（김학관，Kim, Hakkwan） 韩国农业工程学会副会长（国际合作），韩国首尔大学国际农业技术研究生院副教授

Vice- President (International Cooperation), KSAE

Associate Professor, Graduate School of International Agricultural Technology, Seoul National University, Republic of Korea

主要从事水资源与水质管理、农业水文与水质模型、农业流域环境管理及气候变化影响评估等领域的教学与研究工作。其研究方向重点包括水文及水质模型的开发与应用、水资源和水质综合管理、气候变化影响及脆弱性评价等。曾任首尔大学绿色生物科学技术研究院研究教授、高级研究员，以及农业生命科学研究院研究员，并曾在美国密西西比州立大学农业与生物工程系从事博士后研究工作。近年来，金教授围绕国际农业水管理、农业环境信息分析、农业环境预测方法、智慧农业遥感技术、时序预测建模及国际农业流域管理等方向开展课程建设与科研工作。其同时为韩国农业工程学会和韩国水资源学会会员，在农业水文过程模拟、水资源与水环境评价、流域模型应用、农业环境数据分析及气候变化适应研究等方面具有较为丰富的科研积累和专业影响力。

His teaching and research focus on water- resource and water- quality management, agricultural hydrology and water- quality modeling, agricultural watershed environmental management, and climate- change impact assessment. His key research interests include the development and application of hydrological and water- quality models, integrated water- resource and water- quality management, as well as climate- change impact and vulnerability evaluation. He previously worked as Research Professor and Senior Research Fellow at the Research Institute of Green- Bio Science and Technology, and Research Fellow at the Research Institute for Agriculture and Life Sciences, Seoul National University. He also completed his post- doctoral research at the Department of Agricultural and Biological Engineering, Mississippi State University, USA. In recent years, Professor Kim has engaged in curriculum development and scientific research covering international agricultural water management, agricultural environmental information analysis, agricultural- environment forecasting methods, smart- agriculture remote- sensing technology, time- series prediction modeling, and international agricultural watershed management. He is a member of the Korean Society of Agricultural Engineers and the Korean Society of Water Resources. He has solid research experience and professional influence in agricultural hydrological- process simulation, water- resource and water- environment assessment, watershed- model application, agricultural- environmental data analysis, and climate- change adaptation research.



程黎光 韩国国立全北大学农业生命科学学院研究助理教授

Cheng, Liguang, Research Assistant Professor, College of Agriculture and Life Sciences, Jeonbuk National University, Republic of Korea

毕业于全北大学农业工程专业，主要从事农业水土管理与智能农业相关研究。其研究方向聚焦于农业水分调控与作物高产机理、农业作物模型应用、AI 与农业大数据融合建模、智能灌溉决策及气候变化背景下的农田水资源管理等。近年来，围绕气候变化、数字农业模型构建、智能灌溉与作物高品质栽培等领域，主要执行和参与韩国国家级 A 类科研课题十余项，包括小麦水分—养分协同调控与高品质栽培机理研究、数字农业产量预测模型研发与实证，以及与美国佛罗里达大学联合开展的气候变化条件下农田地下水水质影响研究等。2025 年获批韩国农业工程学会新晋研究员个人课题，研究主题为 APSIM－机器学习耦合决策框架。相关研究成果发表于 European Journal of Agronomy、Agricultural Water Management 等国际期刊，并多次在 KSAE、ASABE、AOGS 等学术会议上作公开报告。此外，其曾荣获韩国农林畜产食品部（MAFRA）国部级最高奖项，成为在韩博士生中首位获得该奖项的代表性青年学者。

He graduated from the Department of Agricultural Engineering, Jeonbuk National University. His research focuses on agricultural soil-water management and smart agriculture. Specific research interests include agricultural water regulation and crop high-yield mechanisms, application of crop models, integrated modeling combining AI and agricultural big data, intelligent irrigation decision-making, and farmland water-resource management under climate change. In recent years, he has led and participated in more than ten national Grade-A research projects in the Republic of Korea in the fields of climate change, digital-agriculture model development, intelligent irrigation and high-quality crop cultivation. Representative projects include research on synergistic water-nutrient regulation and high-quality cultivation mechanisms for wheat, development and validation of digital-agriculture yield-prediction models, and a joint research project with the University of Florida, USA, on climate-change impacts on farmland groundwater quality. In 2025, he was awarded a junior-researcher individual project funded by the Korean Society of Agricultural Engineers (KSAE), with the research theme of an APSIM-machine-learning coupled decision-making framework. His research findings have been published in international journals such as European Journal of *Agronomy and Agricultural Water Management*. He has presented oral reports at academic conferences including KSAE, ASABE and AOGS. Furthermore, he received the top ministerial-level award from the Ministry of Agriculture, Food and Rural Affairs (MAFRA) of the Republic of Korea, and is the first PhD candidate in Korea to receive this prestigious honor as a young scholar.

报告专家和主持人简介（中国）

Introduction to speakers and moderator (China)

李民赞 中国农业大学智慧农业研究中心主任、教授

Li Minzan, Director and Professor, Smart Agriculture Research Center, China Agricultural University (CAU)

日本东京农工大学博士，日本农林水产省蚕丝昆虫研究所博士后。研究领域为农业信息化技术、精细农业、智慧农业。是中国农业机械学会理事、国际自动控制联盟（IFAC）农业控制分会副理事长，亚洲精细农业学会(ACPA)常务理事。先后主持国家重点研发计划、国家自然科学基金以及国家 863 计划、国家科技支撑计划项目数十项。出版相关专著、译著和教材 15 部。在国内外学术期刊上发表学术论文百余篇，2026 年当选国际农业与生物系统工程科学院（CIGR/iAABE）会士。

PhD from Tokyo University of Agriculture and Technology, Japan; Postdoctoral Research Fellow at the National Institute of Sericultural and Entomological Science, Ministry of Agriculture, Forestry and Fisheries, Japan. His research areas cover agricultural information technology, precision agriculture and smart agriculture. He is a Council Member of the Chinese Society for Agricultural Machinery, Vice-Chair of the Agricultural Control Committee of the International Federation of Automatic Control (IFAC), and Standing Council Member of the Asian Confederation for Precision Agriculture (ACPA). He has presided over dozens of projects including the National Key R&D Program, National Natural Science Foundation of China, National 863 Program and National Science-technology Support Program. He has published 15 relevant monographs, translated works and textbooks, and more than one hundred academic papers in domestic and international journals. In 2026, he was elected Fellow of the International Academy of Agricultural and Biosystems Engineering (CIGR/iAABE).

杨晓光 中国农业工程学会气候变化与农业减灾工程专业委员会主任委员，中国农业大学资源与环境学院二级教授

Yang Xiaoguang, Chair, Technical Committee on Climate Change and Agricultural Disaster-Mitigation Engineering, CSAE; Second-level Professor, College of Resources and Environment, CAU

“2115 人才培育发展支持计划”领军教授、气候变化与农业减灾高水平创新团队负责人、气象专业学位授权点负责人。现任农业农村部农业防灾减灾专家指导组成员、全国农业气象标准委员会副主任、中国气象局全国农业气象专家服务组成员、全国气象专业学位研究生教育指导委员会委员、全国气象教学名师，十四五重点研发计划项目负责人。主要从事气候变化和灾害对农业影响与适应领域研究，第一完成人获教育部自然科学奖和科技进步奖励各 1 项、神农创新团队奖；在 Nature Food、Cell 子刊等发表文章 270 余篇，第一作者撰写专著 10 部；《气象学报》《中国农业气象》《应用生态学报》《Crop and Environment》等期刊编委。研发和发布了谷雨农气大模型。

Leading Professor of the “2115 Talent Cultivation and Development Support Program”, Principal Investigator of the High-level Innovation Team for Climate Change and Agricultural Disaster Mitigation, and Director of the Professional Degree Authorization Program for Meteorology. She currently serves as Member of the Expert Guidance Group for Agricultural Disaster Prevention and Mitigation, Ministry of Agriculture and Rural Affairs; Vice-Chairman of the National Agricultural Meteorology Standards Committee; Member of the National Agricultural Meteorology Expert Service Group, China Meteorological Administration; Member of the National Steering Committee for Postgraduate Education of Meteorology Professional Degrees; and National Distinguished Teacher for Meteorology Education. She is also the Principal Investigator of the 14th Five-Year Key R&D Program Project. His research mainly focuses on the impacts and adaptation of agriculture to climate change and disasters. As the first completer, She has won one Natural Science Award and one Science and Technology Progress Award from the Ministry of Education, as well as the Shennong Innovation Team Award. She has published more than 270 papers including those in *Nature Food*, Cell family journals and other publications, and authored 10 monographs as the first author. He is an editorial board member of journals such as *Acta Meteorologica Sinica*, *Chinese Journal of Agrometeorology*, *Chinese Journal of Applied Ecology*, and *Crop and Environment*. She has developed and released the Guyu Agrometeorology Large-scale Model.

徐丽明　中国农业工程学会农业机械化与装备专委会主任委员，中国农业大学工学院教授

Xu Liming, Chair, Technical Committee for Agricultural Mechanization and Equipment, CSAE; Professor, College of Engineering, CAU

博士生导师，国家葡萄产业技术机械化研究室主任、智能化生产装备岗位专家、中国农业大学工学院林果生产机械装备研究中心主任，主要从事葡萄生产机械智能化、农业机器人的研究，先后主持“十四五”“十三五”重点研发计划、国家自然科学基金项目、国家 863 计划、北京市自然科学基金等 30 余项，授权国家专利 70 余项，发表 SCI/EI 论文 40 余篇，公开发布团体标准 8 项，主编出版北京市精品教材项目《生物生产系统机器人》，获各项奖励 10 项。

Doctoral Supervisor. Director of the Mechanization Research Office for the National Grape Industry Technology System, Expert for Intelligent Production Equipment Post, and Director of the Research Center for Fruit-Forest Production Machinery and Equipment, College of Engineering, China Agricultural University. Her main research focuses on intelligent machinery for grape production and agricultural robots. She has presided over more than 30 research projects including the 14th Five-Year and 13th Five-Year Key R&D Programs, National Natural Science Foundation of China, National 863 Program, and Beijing Municipal Natural Science Foundation. She has been granted over 70 national patents, published more than 40 SCI/EI indexed papers, released 8 association standards, edited the Beijing Excellent Textbook *Robots for Biological Production Systems*, and received 10 scientific and technological awards of various kinds.

刘继展　中国农业工程学会人工智能和农业机器人专业委员会主任，江苏大学农业工程学院教授

Liu Jizhan ， Chair, Technical Committee on Artificial Intelligence and Agricultural Robots, CSAE; Professor, School of Agricultural Engineering, Jiangsu University

博士生导师，江苏大学农业工程学部副主任，国家数字农业装备（人工智能与农业机器人）创新分中心首席专家，中国机器人产业科技创新联合体秘书长，兼任教育部现代农业装备与技术重点实验室副主任、中国农业风险管理研究会人工智能专委会副会长、中国农业机械学会基础技术分会副主任等。培养博士、硕士和留学生 100 余人，出版学术专著 4 部，研制各类农业机器人 20 余套，获省部级科技成果奖励 10 余项；曾获评 2018 科学中国人年度人物等荣誉称号。

Doctoral Supervisor, Deputy Dean of the Faculty of Agricultural Engineering, Jiangsu University; Chief Expert of the Sub-Innovation Center for National Digital Agricultural Equipment (Artificial Intelligence and Agricultural Robots); Secretary-General of China Robot Industry Science and Technology Innovation Consortium. He also serves as Deputy Director of the Key Laboratory of Modern Agricultural Equipment and Technology of the Ministry of Education, Vice-Chairman of the Special Committee for Artificial Intelligence, China Agricultural Risk Management Research Association, and Deputy Chairman of the Basic Technology Branch, Chinese Society for Agricultural Machinery, among other posts. He has supervised more than 100 doctoral, master's and international students, published 4 academic monographs, developed over 20 sets of various agricultural robots, and won more than 10 provincial-ministerial-level science and technology awards. He was honored as *Scientific Chinese of the Year 2018* and other honorary titles.

毛晓敏 中国农业大学水利与智能工程学院教授

Mao Xiaomin, Professor, College of Water Resources and Intelligent Engineering, CAU

博士生导师，主要从事农业高效用水和水文水资源方面的研究工作，2007 年入选教育部新世纪优秀人才支持计划。本硕博毕业于清华大学，曾在英国爱丁堡大学工作 5 年（Research Fellow）、瑞士洛桑高工（EPFL）和澳洲联邦科工组织（CSIRO）访问学者。现任国际 SCI 学术期刊《Agricultural Water Management》执行主编。在国内外期刊发表学术论文 150 余篇，其中 SCI、EI 收录 100 余篇（含英文论文 70 余篇），合（参）编专著 5 部。曾获中国工程咨询协会全国优秀工程咨询成果二等奖、国家科技进步二等奖、中国高校科技进步一等奖等。

Doctoral Supervisor. Her research focuses on efficient agricultural water use, hydrology and water resources. He was selected into the Program for New Century Excellent Talents in University of the Ministry of Education in 2007. She received his Bachelor's, Master's and Doctoral degrees from Tsinghua University. He worked as a Research Fellow at the University of Edinburgh, UK for five years, and served as a visiting scholar at École Polytechnique Fédérale de Lausanne (EPFL), Switzerland, and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia. Currently, She serves as Executive Editor of the international SCI journal Agricultural Water Management. She has published more than 150 academic papers, including over 100 SCI/EI-indexed papers (more than 70 in English), and has authored or co-authored five monographs. Her academic awards include the Second Prize of National Excellent Engineering Consulting Achievement from the China Engineering Consultants Association, the Second Prize of National Science and Technology Progress Award, and the First Prize of University Science and Technology Progress Award of China, among others.

吴才聪　中国农业工程学会大数据专委会主任委员，中国农业大学信息与电气工程学院教授

Wu Caicong, Chair, Big Data Special Committee, CSAE; Professor, School of Information and Electrical Engineering, CAU

博导，中国农业大学农机北斗导航与大数据领域首席专家，中国农业工程学会大数据专委会主任委员，中国农机工业协会精准农业技术装备分会秘书长。研发建设的中国农机作业大数据平台接入各类农机 80 余万辆，组织编制的《麦收快讯》在 CCTV 和农业农村部发布，促进了北斗农机自动驾驶系统国产化、规模化和前装化应用。担任国家重点研发计划“北斗/GNSS 精准农业技术和服务系统研发与应用示范”项目负责人。获中国卫星导航定位协会风云人物奖、中国卫星导航年会北斗卫星应用推进贡献奖、新疆兵团科技进步一等奖和新疆兵团科技合作奖。发表学术论文 70 余篇。

Doctoral Supervisor. He serves as the Chief Expert in BeiDou Navigation and Big Data for Agricultural Machinery at China Agricultural University, Chairman of the Big Data Special Committee of the Chinese Society of Agricultural Engineering, and Secretary-General of the Precision Agricultural Technology & Equipment Branch, China Association of Agricultural Machinery Manufacturers (CAAMM). The China Agricultural Machinery Operation Big-Data Platform developed under his leadership has connected over 800,000 units of various agricultural machines. He organized the compilation of the *Wheat Harvest Bulletin*, which was released by CCTV and the Ministry of Agriculture and Rural Affairs, promoting the domestic production, large-scale deployment and pre-installation application of BeiDou-based automatic steering systems for agricultural machinery. He is the Project Principal Investigator of the National Key R&D Program: *R&D and Application Demonstration of BeiDou/GNSS-based Precision Agriculture Technology and Service System*. His honors include the Person of the Year Award from the GNSS and LBS Association of China, the BeiDou Satellite Application Promotion Contribution Award from the China Satellite Navigation Conference, the First-Class Prize for Scientific and Technological Progress of Xinjiang Production and Construction Corps, and the Xinjiang Production and Construction Corps Science and Technology Cooperation Award. He has published more than 70 academic papers.

王应宽　中国农业工程学会党委委员/执行秘书长，农业农村部规划设计研究院研究员

Wang Yingkuan, Executive Secretary-General, Chinese Society of Agricultural Engineering (CSAE); Research Fellow, Academy of Agricultural Planning and Engineering, Ministry of Agriculture and Rural Affairs

西北农林科技大学农业机械化硕士和北京大学管理学博士学位。现任农业农村部规划设计研究院二级研究员，中国农业工程学会党委委员、常务理事和执行秘书长，《国际农业与生物工程学报（IJABE）》（SCI 等收录）主编、《农业工程学报》（EI 等收录，卓越领军期刊）《农业工程技术》总编。一直从事科技期刊编辑出版、科研与管理工作，主要研究农业机械化与信息化、智慧农业、数字出版等。主持参加科研项目 40 多项，发表论文 150 多篇，出版专著 3 部（含英文专著 1 部）、译著 1 部，参编合著 10 部。兼任 CIGR/ASABE 等 4 个国际学术组织委员、中国期刊协会常务理事与农业期刊分会会长等；当选中国科协九大代表和十大代表；兼任十余种重要期刊副主编/编委、中国农业大学、江苏大学、山东理工大学等 6 校兼职教授与 6 个国家中心和部重点实验室学术委员。出访 30 多国，作科技论文撰写报告数百场次，为商务部、农业农村部援外国际培训英文授课 60 多次。获美国 ASABE 主席提名杰出贡献奖，ASABE 杰出国际交流合作奖，中国优秀科技编辑骏马奖、银牛奖，中国科技期刊卓越行动计划“优秀编辑”“优秀主编”和“优秀期刊管理人”（优秀百人），改革开放 40 年中国农业工程杰出贡献奖等。

He obtained his Master's degree in Agricultural Mechanization from Northwest A&F University and Doctoral degree in Management from Peking University. Currently, he is a Grade-2 Researcher at the Chinese Academy of Agricultural Engineering, Ministry of Agriculture and Rural Affairs. He serves as Member of the Party Committee, Standing Council Member and Executive Secretary-General of the Chinese Society of Agricultural Engineering (CSAE). He is Editor-in-Chief of *International Journal of Agricultural and Biological Engineering* (IJABE, SCI-indexed etc.), Chief Editor of *Transactions of the Chinese Society of Agricultural Engineering* (EI-indexed, Leading Excellent Journal) and *Agricultural Engineering Technology*. He has long been engaged in scientific journal editing & publishing, scientific research and administration. His main research interests cover agricultural mechanization and informatization, smart agriculture, digital publishing and other fields. He has presided over and participated in more than 40 research projects, published over 150 papers, authored 3 monographs (including 1 English monograph), translated 1 book, and co-authored 10 books. He holds concurrent positions including committee member of four international academic organizations such as CIGR and ASABE, Standing Director of China Periodicals Association and President of its Agricultural Periodicals Branch. He was elected as a delegate to the 9th and 10th National Congress of the China Association for Science and Technology. He also acts as associate editor or editorial board member for more than ten important journals, adjunct professor at six universities including China Agricultural University, Jiangsu University and Shandong University of Technology, as well as academic committee member of six national centers and ministerial-level key laboratories. He has visited more than 30 countries, given hundreds of lectures on scientific paper writing, and delivered over 60 English-language lectures for foreign-aid international training programs sponsored by the Ministry of Commerce and the Ministry of Agriculture and Rural Affairs. His awards include the ASABE President-Nominated Distinguished Contribution Award, ASABE Distinguished International Collaboration Award, China Excellent Science-Technology Editor Golden Steed Award and Silver Ox Award, the "Excellent Editor", "Excellent Editor-in-Chief" and "Excellent Journal Manager (Top-100 Talents)" under the China Science and Technology Journal Excellence Action Plan, and the Outstanding Contribution Award for China Agricultural Engineering over the 40-year Reform and Opening-up, among others.

其他参会人员

List of the other participants

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Zhao Aiqin,　Deputy Secretary- General, Senior Engineer, CSAE

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CHINESE SOCIETY OF AGRICULTURAL ENGINEERING

The Chinese Society of Agricultural Engineering (CSAE) is a national first-class society affiliated with the China Association for Science and Technology and a national excellent society. It is a national member of the International Commission of Agricultural and Biosystems Engineering (CIGR), and has long maintained close ties with important organizations related to agricultural engineering, such as the Asian Association for Agricultural Engineering, the American Society of Agricultural and Biological Engineers, etc. Since its establishment in 1979, the Society has given full play to its organizational and resource advantages, and has carried out a large number of fruitful work in academic leadership, science popularization, think tank consultation, international exchanges and cooperation, talent recommendation and training, etc., making important contributions to promoting the development of agricultural engineering disciplines and modern agricultural construction.

The CSAE currently has 33 branch organizations, including 6 working committees for academic exchanges, international exchanges, science popularization, consultation, and young scientists & technology. It also comprises 27 professional committees/subcommittees, including those for agricultural information and electrical engineering, agricultural remote sensing, agricultural mechanization and equipment, rural planning and design engineering, protected horticulture engineering, seed industry equipment engineering, rural energy engineering, agricultural product processing and storage engineering, agricultural systems engineering, education, digital rural engineering, animal husbandry engineering, agricultural water and soil engineering, agricultural engineering standardization, land use engineering, comprehensive development and utilization of mountain resources, aquatic engineering, castor economic technology, agricultural aviation, and editorial guidance. Additionally, agricultural engineering societies have been established in 24 provinces in China, autonomous regions, and municipalities directly under the Central Government across the country, with more than 15,000 members.

Founded by the Society, the *Transactions of the Chinese Society of Agricultural Engineering* is indexed by well-known domestic and international retrieval systems including EI, Scopus and CSCD. It was listed in China's "Top 100 Newspapers and Periodicals" in 2015 and has received continuous support from the **China Excellence Action Plan for Sci-Tech Journals** (Tier-based Program and Leading Chinese-language Journal Program). Over the past 20 years, it has ranked first among domestic peer journals in multiple evaluation indicators such as impact factor and total citation frequency.

The *International Journal of Agricultural and Biological Engineering (IJABE)* is indexed by more than 30 renowned international retrieval systems including SCI. With an impact factor of 2.4, it ranks 9th among SCI-indexed agricultural-engineering journals worldwide and falls into Q2 quartile, establishing itself as an internationally-recognized authoritative academic journal brand.

Agricultural Engineering Technology plays a vital role in science popularization and has been selected as a core journal of agriculture and forestry in China.

The Society has developed seven university-student innovation and entrepreneurship competitions related to agricultural engineering, helping advance the educational and teaching reform of agricultural engineering and relevant disciplines in China as well as fostering young scientific and technological talents.

As the supporting institution of the Society, the Academy of Agricultural Planning and Engineering, Ministry of Agriculture and Rural Affairs, China provides organizational, resource and administrative support for the Society's development to guarantee its regular operation.

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