



IMPACT

Association of Overseas Chinese Agricultural, Biological and Food Engineers

VOLUME 18, ISSUE 2

PRESIDENT'S REMARK

Dear AOC Members and Friends:

Happy Spring! The whole year's work depends on a good start in spring (一年之计在于春). I hope you are enjoying the beginning of spring as much as I am. Last year was full of new opportunities and progress for everyone. As we look to 2019, we are building on this momentum with renewed energy and vigor.



Already, we are starting off the spring with initiatives poised for development and growth – including the institutional member recruiting, the groundbreaking for the 5-year strategic plan, and new and continuing career development programs focused on young professionals and student success. We have so much ahead for our great society, and you are an important part of a journey toward scholarly achievement, personal growth and development, that we will all share together. We will continue to create a bright, boundless future for our society.

I would like to congratulate our proud fellow members who receive notable national awards and take significant leadership roles. Dr. Hongwei Xin just began his new role as Dean for University of Tennessee AgResearch, with a distinguished international reputation for research and academic leadership and his collaborative work in facilitating linkages between academics, research and economic development.

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AOCABFE

Dr. Susan Sun was named a fellow of The National Academy of Inventors for her prolific spirit of innovation and the impact of her work. Drs. Xin and Sun are two great examples who represent AOC as highly respected educators, scholars, and leaders. We are impressed with their abilities to lead, inspire and effect change. Their energy, integrity, analytical mind, and innate knack for bringing people together, combined with their dedication and contribution to AOC, are great assets. We will continue to benefit from our fellow members' deep knowledge, their proven leadership across all aspects of teaching, research and administration, and dedication to our society as they continue their active membership in AOC. We will continue to elect our AOC Fellows by this summer. We encourage you to nominate your deserving colleagues for this prestigious recognition and submit your nomination by **June 1** to Dr. Yufeng Ge (AOC President-Elect).

The number of our institutional members has been growing since 2016. I would like to welcome our newest institutional member, **the College of Engineering at Nanjing Agricultural University**, to join AOC this Spring. Through our annual China exchange forum and business meeting, and award banquet, AOC will continue to promote the institutions among AOC members, facilitating faculty and student scholarly exchange, and establishing collaboration among institutions.

AOC is committed to building a strong society and promoting our individual, student, and institutional members who can strive in their field and disciplines. To help educate our institution and community on the important contribution and achievement, AOC is launching the 5-year strategic plan campaign. The campaign represents an opportunity for every one of us to help the growth of AOC. The campaign complements the excellent work already being done by every member to build a strong AOC. I encourage everyone to participate in this initiative. To start, you can contact me directly (email: hli@udel.edu) and send me your thoughts and suggestions. A strategic planning committee will be formed and issue a report to the executive board at the board meetings on goals and objectives for 2019-2024. At a significant time of transition and transformation in the Agricultural, Biological and Food Engineering context, it is important that our AOC clearly define and hone the future direction. Together, we can make a difference!

The board of AOC are currently working on our programs, including NERCITA-China Exchange forum, annual business meeting and banquet, faculty and student excellence awards, and student competition. Please get detailed information about the timeline of these program from our Impact newsletter.

Sincerely yours,

Hong Li

AOC President (2018-19)

AOC 2018-2019 Executive Board



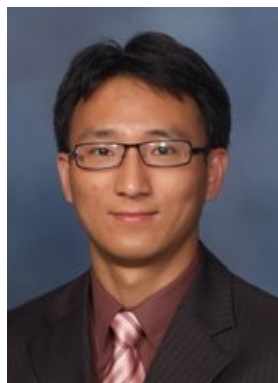
LI, HONG

University of Delaware
PRESIDENT



QI, ZHIMING

McGill University
PAST PRESIDENT



GE, YUFENG

University of Nebraska
PRESIDENT-ELECT



ZHAO, YANG

Mississippi State University
VICE PRESIDENT



ZHANG, NAIQIAN

Kansas State University,
STUDENT ADVISOR



WANG, YINGKUAN

Chinese Academy of Agricultural Engineering,
EXECUTIVE EDITOR OF
IJABE



CHEN, LIPING

NERCITA., China,
DIRECTOR OF INSTITUTIONAL MEMBERSHIP



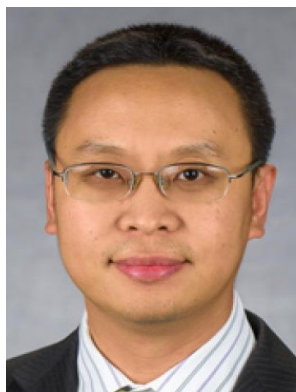
HUANG, HAIBO

Virginia Tech,
MEMBER-AT-LARGE,
PROFESSIONAL DEVELOPMENT



WU, SARAH (XIAO)

University of Idaho
MEMBER-AT-LARGE,
LIAISON



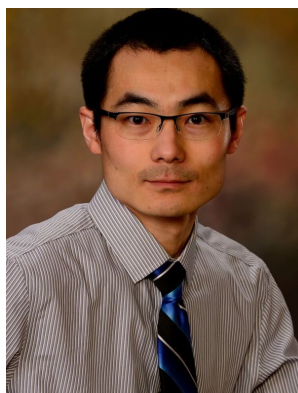
SHI, JIAN

University of Kentucky
WEB MANAGER



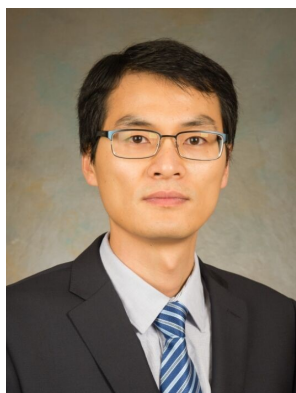
SHI, YEYIN

University of Nebraska-Lincoln
TREASURER



WANG, YI

Auburn University
MEMBER-AT-LARGE,
NEWSLETTER EDITOR



ZHENG, YI

Kansas State University
MEMBER-AT-LARGE,
MEMBERSHIP DEVELOPMENT



CEN, HAIYAN

Zhejiang University
MEMBER-AT-LARGE,
MEMBERSHIP DEVELOPMENT



HOU, CONGYU

University of Illinois at
Urbana-Champaign
SAC CHAIR



LIU, ENSHI

University of Nebraska-
Lincoln
SAC VICE CHAIR



GAO, ZONGMEI

Washington State Univer-
sity
SAC VICE CHAIR



TONG, XINJIE

Ohio State University
SAC VICE CHAIR

AOC Institutional Membership

中国科学院农业水资源重点实验室	Key Laboratory of Agricultural Water Resources, the Chinese Academy of Sciences
浙江大学	Zhejiang University
新疆兵团农业装备产业联盟	Xinjiang Production and Construction Corps
华南农业大学国家精准农业航空中心	International Precision Agricultural Aviation Center, South China Agricultural University
浙江理工大学机械与自动控制学院	College of Mechanical Engineering and Automation of Zhejiang Sci-Tech University
西北农林科技大学机械与电子工程学院	College of Mechanical and Electronic Engineering, Northwest A&F University
华中农业大学理学院物理系	Department of Physics in College of Science, Huazhong Agricultural University
中国农业大学中欧农业信息技术研究中心	China-EU Agriculture Information Technology Research Center, China Agricultural University
中国农业大学信息与电子工程学院	College of Information and Electrical Engineering, China Agricultural University
沈阳农业大学信息与电子工程学院	College of Information and Electrical Engineering, Shenyang Agricultural University
南京农业大学工程学院	College of Engineering, Nanjing Agricultural University

Student Research Presentation Competition

Program description

This is an invitation to submit an oral presentation to 2019 AOC Student Research Presentation Competition Program. The winners will receive a cash award, and will be recognized at the AOC banquet. The number of awardees (either two or three) will depend on the total number of entries. AOC hopes that awardees can benefit from the award for their professional development.

Eligibility

To be eligible for this program:

Each entry for the competition will be limited to one paper (ASABE conference paper for 2019 Annual International Meeting) per student, and the first author must be an AOC student member.

Each entry is required to include a submitted "Entry Form" signed by a faculty member stating that he/she has approved the presentation.

Scope

Various topics that include but are not limited to agricultural and biological engineering, food science, and environmental science and engineering. All submitted papers should be accepted by ASABE 2019 annual international meeting.

Deadline

Send all documents including **entry form** and **shared links for presentation videos (Dropbox etc.)** in one single pdf file to Dr. Yi Zheng at yzheng@ksu.edu by **June 24, 2019**. All documents should be written or presented in English.

Evaluation Process

The length of the presentation is suggested to be 12±0.5 minutes. Presentations after 12.5-minute will not be considered for evaluation. Each presentation will be evaluated by five AOC faculty members using the attached evaluation form. The Judging Criteria includes technical content, methodology, oral presentation, and Power Point appearance. Results will be announced at the AOC banquet.

*** Produce and Submit Video**

Presentation is recommended to be recorded at a suitable environment, such as meeting room, conference room or classroom, with minimum background noise. Both PPT slides and the presenter should be recorded during the presentation. The video can be recorded using video cameras (cellphone, DSLR, DV). The video format needs to be the common formats (.avi, .wmv, .mpg, etc.). For presentation video submission, you only need to include the shared links that lead to your Dropbox, Google drive, Box, or Skydrive. Evaluators will use the shared links to access your videos. Double check your links before submitting.

Entry Form

Your submission should contain the following items in a single PDF:

This form, completed and signed.

Presentation Topic:

Student Name: (Last, First)

Department

University

Student E-Mail

Street Address

City, State, Zip

Advisor's Name

Advisor's E-mail

Student Signature

Date

Advisor's Signature

Date

This signature certifies that the Advisor approves the sub-

Call for Nomination

AOC FELLOW

It is time again to nominate your colleagues to the Distinguished AOC Fellow. Nominations should be submitted to Dr. Yufeng Ge – yge2@unl.edu by June 1, 2019. Here is the instructions for submitting a Fellow nomination. More information about AOC Fellow can be found here: <https://aocabfe.com/fellow-nomination/>.

1. Characteristics of a Fellow

“A Fellow of the Society is an honor conferred for exceptional achievement by a Member of the Association in any one or more of the following areas – research, technology development, technology transfer, teaching, extension, consultancy, senior administration and communication, which advance the profession of agricultural, food, or biological engineering in its broad application and a minimum of 10 years as a Member in AOCABFE.”

2. Elements of Nomination

Qualifications for Fellow are described in the Bylaws and Rules of AOCABFE, Article B5, Qualifications for Admission, Paragraph 3 (see <http://aocabfe.com/constitution-bylaws-and-rules/>).

To nominate an AOCABFE Member for the Grade of Fellow, the nominator shall provide AOCABFE executive board with the following documents.

- ⇒ **Nomination Form:** Please use the attached Nomination Form (Download via this link: <http://aocabfe.com/wp-content/uploads/2018/01/aoc-fellow-nomination-form.docx>). The maximum length of the completed Nomination Form is four pages (10 pt. or larger font).
- ⇒ **Five letters of support.** The Nomination Form and letters of support are to be converted into PDF files and submitted to AOCABFE executive board through email to the attention of Dr. Yufeng Ge – yge2@unl.edu. Please use “AOCABFE Fellow” as subject of the email. The support letters may be sent with the Nomination Form or may be sent separately. The deadline for submitting Nomination Forms and letters of support is **June 1, 2019**.

Call for Nomination

2019 AOC Achievement and Service Awards

It is time again to nominate your colleagues who have made outstanding achievement in their professional career and service to our professional society. AOC currently has three member awards as listed below. Nominations for the AOC awards should be submitted to Dr. Zhiming Qi – zhiming.qi@mcgill.ca by **June 1, 2019**.

1. Early Career Award

Purpose: this award is to recognize outstanding career achievement by a young AOC member in the profession of Agricultural, Biological and Food Engineering. The award is to honor achievement through education, research, innovation, development, extension, consulting, administration, international collaboration, and other professional activities.

Eligibility: the recipient shall be a member of AOC with good standing and under the age of 45. The recipient shall have made noteworthy contributions of achievement in the areas described above under “Purpose of the Award.”

2. Distinguished Career Award

Purpose: this award is to recognize distinguished career achievement in the profession of Agricultural, Biological and Food Engineering. The award is to honor achievement through education, research, innovation, development, extension, consulting, administration, international collaboration, and other professional activities.

Eligibility: the recipient shall be a member of AOC with good standing. The recipient shall have made noteworthy contributions of achievement in the areas described above under “Purpose of the Award.”

3. Outstanding Service Award

Purpose: this award is to recognize exceptional services that contribute to, and enhance the mission of the AOC.

Eligibility: the recipient shall be a member of AOC with good standing. The recipient shall have made exceptional contributions to organizing AOC conferences, publications and other activities.

Call for Nomination

Academic Achievement Awards

The AOC Graduate Scholarly Achievement Award recognizes AOC student members who made outstanding scholarly achievements. If you would like to be considered for the AOC Graduate Scholarly Achievement Award, please ask your major professor to nominate you. Check with AOC for the nomination procedure and criteria. The nomination should be sent to Professor **Naiqian Zhang** no later than **July 1, 2019**. Note that your major professor does not have to be an AOC member, neither does he/she have to be a Chinese! You may submit an entry to the competition or be nominated for an award even if you do not plan to attend the 2019 ASABE AIM.

Candidates' qualifications will be evaluated based on their performance on in-class, research, and outreach activities. The following criteria shall be used to evaluate the candidates:

- Academic performance (current year and the trend over the past years)
- Scholarly activities, including
- Publications (journal articles, fact sheets, software, web pages, etc.)
- Presentations (oral, poster, mass media, etc.)
- Grant proposals
- Invention disclosures
- Participation in professional activities (conferences, professional societies)
- Other scholarly activities

Call for Nomination

Graduate Leadership and Service Awards

The AOC Graduate Leadership and Service Award recognizes an AOC student member who has excelled and demonstrated leadership on the activities of AOC. The winners will receive certificates and cash awards (\$150 each). The deadline for 2019 nomination is June 1, 2019. Of course, you must be an AOC student member to become eligible for these awards. You may submit an entry to the competition or be nominated for an award even if you do not plan to attend the 2019 ASABE AIM. The nomination should be sent to Professor Naiqian Zhang no later than **June 1, 2019**.

This award shall be nominated by an AOC member with a nomination letter describing the candidate's leadership and service contributions to AOC and the profession. In addition, the candidate shall prepare a one-page essay on "how can we improve graduate student involvement in advancing the goals of AOC" and a list of three references with detailed contact information.

Candidates' qualifications will be evaluated based on their contributions to advancing the goals of AOC and the profession. The following criteria shall be used to evaluate the candidates:

- Recruitment and promotion for AOC and its programs
- Showing hospitality to and mentoring new AOC student members
- Organizing and making contributions to AOC activities
- Participating in AOC activities
- Providing leadership and service to other professional societies
- Providing leadership and service at the home institution
- International activities.

Call for Nomination

Student Paper Competition Awards

The AOC student paper competition recognizes the AOC student members who show excellence in the conduct and presentation of research. If you already submitted a paper to the ASABE Annual International Meeting (AIM) and are interested in participating in the AOC student paper competition, please send your paper and the “entry form” to Dr. [Naiqian Zhang](#) of Kansas State University no later than **June 1, 2019**. You can find the judging criteria (score sheet) that will be used to evaluate your papers from the same website. The top five winners will receive certificates as well as cash awards. Please note that we only accept papers written for the 2019 ASABE AIM. Therefore, your paper must have a number assigned by ASABE.



AOC Board Meeting Minutes

8-10 pm, November 9, 2018

Host: Hong Li

Attendees: Hong Li, Zhiming Qi, Jian Shi, Yeyin Shi, Yi Wang, Yi Zheng, Congyu Hou, Enshi Liu, Haibo Huang, Xinjie Tong, Zongmei Gao

1. Meeting agenda was approved by all attendees. No additional topic added.
2. All attendees approved that the minutes of 2018 AOC Business Meeting will be held and approved in 2019 AOC Business Meeting next year.
3. Jian, Zhiming, Hong and Congyu summarized the 2018 AOC business meeting, banquet, China exchange Forum, and SAC gathering. Highlights were the approval of retirement of three board members, a successful banquet (total 180 including members and guests); 40 to 50 attendees in the China Exchange Forum.
4. Jian reported recent updates for the website: new board members and their information, 2018 AOC business meeting and banquet pictures need to be updated. Hong will send Jian relevant information later. Jian reported that the new website is a better platform and easy to maintain and will share the administrative right to the newsletter editors for posting news and newsletters.
5. Haibo reported recent updates for the professional development seminar and mentoring program. Haibo developed a survey to collect the student interests and showed there were very strong interests among the students. However, the participation of the students was not very high. The first mentoring meeting will be held on Nov 14 with 6-7 student participants. Haibo and Jian suggested better advertisement through WeChat public account announcement and AOC website would help. Zongmei suggested one on one mentoring might be better to get more student interested, but it will more mentors who are willing to make the commitment.
6. Clarification on board member responsibilities:
 - Newsletter: Yi Wang
 - Membership development: Yi Zheng and Haiyang Cen. Yi will be in charge of the oversea member development and Haiyang will focus on the potential member development in China. The attendees brainstormed about ideas for fundraising, including institutional members development and industry sponsorships.
 - Professional development: Haibo Huang
 - Relationship development: Xiao Wu
 - SAC (student activity committee): Congyu Hou

7. Congyu also reported the SAC activities to date, including maintaining WeChat public account. He also mentioned the issue with security verification for posting news. It requires a mobile phone with Chinese carrier card for the security verification. There are two options: 1. Purchasing a Chinese carrier card and having one of SAC member manage posting news with the card; 2. Having one of the AOC members in China to handle the news release on WeChat public account. Hong will ask Haiyan to see if she could take the lead and help it.

Yi (Wang) will be taking the lead on the newsletter. 5 to 6 student associate editors are needed. SAC will help to identify the editors.

8. New businesses

- FAO-ITU conference: Yang was attending the conference and representing AOC. Yang will report to the board about the conference in next board meeting.
- Africa-India-China forum: There was an increasing interest among AOC, African, and Indian agricultural and biosystems engineering groups to host a joint forum to address agricultural and biological engineering challenges in Africa, China and India through resource development and collaborations. Hong will represent AOC and have a conference call with the representatives for the other two groups in late November. Hong will report the forum development to the board in next board meeting.
- SAC activities: Congyu suggested to develop SAC by-laws to help the member recruitment, especially targeting potential student members in China.

9. Meeting adjourned

SAC Recruitment

AOC SAC is a student association within the large family of AOC, aiming to help the Chinese students around the world in ABE field connect to better research resources. As a great opportunity to broaden your vision, enhance connections, and gain social networking experience, serving in AOC SAC board provides you a more prepared future in the ABE field. The AOC SAC and the board distribute recruiting forms and information during ASABE meeting each year. Moreover, feel free to email any AOC SAC board member if you are interested in joining us.

AOC 学生协会（**SAC**）是隶属于**AOC**协会大家庭下的一个自发组成的学生组织。该组织致力于为海内外农业生物工程的中国学生提供接触更多更好的学术资源的机会。作为一个可以进一步拓宽视野，加强联系并且获得更多社交经验的机会，加入**AOC SAC**的主席团将是您为未来行业发展做准备的不二选择。**AOC SAC**及主席团将会于每年**ASABE**年会上分发入会信息和入会申请。除此以外，您同样可以发送电子邮件给任何主席团成员来获得相关的资料。

中国农业机械学会第十一次全国会员代表大会在杭州隆重召开

The 11th National Congress of Chinese Society for Agricultural Machinery (CSAM) grandly held in Hangzhou

中国农业机械学会第十一次全国会员代表大会于2018年11月25日在杭州隆重召开。出席会议的正式代表有298人、列席代表252多人。会议代表来自中国农机学会23个分支机构和全国28个省级农机学会及政府机关、高等院校、科研院所、企业、质量监管与技术推广、行业组织、新闻媒体等有关单位。

The 11th national congress of the Chinese Society for Agricultural Machinery (CSAM) was grandly held in Hangzhou on Nov 25, 2018. The 298 official delegates and more than 252 non-voting delegates attending the congress were respectively from the 23 branches of CSAM and 28 provincial societies for agricultural machinery as well as the government agencies, colleges and universities, scientific research institutes, enterprises, quality supervision and technology promotion institutions, industry organizations and news media.



出席会议的嘉宾和学会领导有：中国工程院院士汪懋华，中国科学院院士任露泉、闫楚良，中国工程院院士、十届理事会理事长罗锡文，中国工程院院士、十届理事会副理事长陈学庚、赵春江，国际农业与生物系统工程学会主席、中国农业机械工业协会会长陈志，中国农机院党委书记、院长，十届理事会王博副理事长，农业部农机化技术开发推广总站站长、十届理事会刘恒新副理事长，中国农机化协会马世清副会长，江苏大学党委书记、十届理事会袁寿其副理事长，浙江农林大学校长、十届理事会应义斌副理事长，中国一拖集团有限公司董事长、十届理事会赵剡水副理事长，中国农机院副院长兼总工程师、十届理事会方宪法副理事长，中国农业大学工学院院长、十届理事会韩鲁佳副理事长，农业部规划设计研究院院长、中国农业工程学会理事长隋斌，农业部农机试验鉴定总站副站长刘旭，华南农业大学副校长杨洲，吉林大学生物与农工学院院长于海业，浙江农机学会副理事长、浙江大学生工与食品学院院长何勇，特别支持单位中联重机股份有限公司副总裁高一平等。

Guests and CSAM leaders attending the congress were: Maohua WANG, academican of the Chinese Academy of Engineering; Luquan REN and Chuliang YAN, academicians of the Chinese Academy of Sciences; Xiwen LUO, academican of the Chinese Academy of Engineering, chairman of the 10th council; Xuegeng CHEN and Chunjiang ZHAO, academicians of the Chinese Academy of Engineering and vice chairmen of the 10th council;

Chen ZHI, chairman of the International Society of Agricultural and Biological Systems Engineering and president of China Agricultural Machinery Industry Association; Bo WANG, party secretary and president of China Agricultural Machinery Institute, and vice chairman of the 10th Council. Hengxin LIU, director of the Agricultural Mechanization Technology Development and Promotion Station of the Ministry of Agriculture, and vice chairman of the 10th Council; Shiqing MA, vice president of China Agricultural Mechanization Association; Shouqi YUAN, secretary of the Party Committee of Jiangsu University, and vice chairman of the 10th Council; Yibin YING, president of Zhejiang Agriculture and Forestry University, and vice chairman of the 10th Council; Yishui ZHAO, chairman of China Yituo Group Co., Ltd., and vice chairman of the 10th Council; Xianfa FANG, vice president and chief engineer of China Agricultural Machinery Institute, and vice chairman of the 10th Council of the; Lujia HAN, dean of the College of Engineering of China Agricultural University, and vice chairman of the 10th Council; Bin SUI, dean of the Planning and Design Institute of the Ministry of Agriculture, and chairman of the China Agricultural Engineering Society; Liu XU, deputy director of the Agricultural Machinery Test and Identification Station of the Ministry of Agriculture; Yang ZHOU, vice president of South China Agricultural University; Haiye YU, dean of the College of Biological and Agricultural Engineering of Jilin University; Yong HE, vice chairman of Zhejiang Agricultural Machinery Association and dean of Biotechnology and Food College of Zhejiang University; Yiping GAO, vice president of sponsor company Zoomlion Heavy Machinery Co., Ltd.,



王博副理事长主持了大会开幕式和第一阶段的全体会议。罗锡文理事长致开幕词，他代表中国农机学会，向莅临大会的各位嘉宾、各位代表等表示热烈的欢迎！张咸胜秘书长代表第十届理事会作了工作报告。报告围绕加强党建、学术交流、人才举荐、科技期刊、国际合作、完成科协项目、创新大赛、拓展智能和规范管理等九个方面，对学会四年来开展的主要工作进行了回顾总结，并分析了存在问题；报告对第十一届理事会的工作，提出了强化政治引领、全力推进学术交流两大精品工程、做好人才工作、拓展服务功能等四个方面的建议。

Vice chairman Bo WANG presided over the opening ceremony and the first stage of the plenary session. Chairman Xiwen LUO delivered the opening speech to show the warm welcome to all the guests and delegates present on behalf of China agricultural Machinery Association. The secretary general Xiansheng ZHANG made a work report on behalf of the 10th council, focusing on nine aspects, including strengthening party construction, academic exchanges, talent recommendation, sci-tech journals, international cooperation, the completion of sci-tech association projects, innovation competition expanding intelligence and standardized management. He also reviewed and summarized the work in the 4 years, and analyzed the current problems. In the report, he also put forward 4 proposals for the 11th Council on strengthening the political leadership, promoting the two major projects of academic exchanges, improving job in talents and expanding service functions.

大会按照代表的工作单位种类分成四组进行了分组讨论。与会代表认真审议了第十届理事会工作报告、第十届理事会财务工作报告、《中国农业机械学会章程》修订稿，酝酿了学会第十一届理事会理事候选人、第一届监事会监事候选人，并提出了许多具体修改意见和建议，由分组讨论主持人向全体大会进行了汇报。

The delegates were divided into 4 groups for discussion according to their types of work units during the congress. Delegates earnestly studied the work and financial report of the 10th Council and the revised *Constitution of the Chinese Society of Agricultural Machinery* on the congress, preliminarily elected the candidates for the 11th Council members and the 1st Board of Supervisors members and also put forward some specific revision opinions and the suggestions. And the group leaders made the general report to the plenary.

大会第二阶段全体会议由罗锡文理事长主持。大会审议通过了第十届理事会工作报告、第十届理事会财务工作报告、中国农业机械学会章程（修订稿）的决议；听取并表决通过了赵剡水副理事长宣读的“关于缴纳2018~2022年度团体会员费的决议”；听取并通过了王博副理事长宣读的“学会十一次代表大会授予名誉理事长的决议”，决定授予蒋亦元、汪懋华、任露泉、罗锡文、陈学庚、闫楚良、陈志同志为**中国农机学会名誉理事长**。

The second stage of the plenary session was presided over by the chairman Xiwen LUO. In this stage, the work and financial report of the 10th Council and *The Constitution of the Chinese Society of Agricultural Machinery (Revision)* were deliberated and adopted by the congress. And also *The Resolution of the Payment of the Year 2018 to 2022 Annual Membership Dues* read by the vice chairman Yanshui ZHAO and *The Resolution to Award the Honorary Chairman of the 11th Society Congress* read by the vice chairman Bo WANG were agreed. And at this session, the committee decided to award Yiyuan JIANG, Maohua WANG, Luquan REN, Xiwen LUO, Xuegeng CHEN, Chuliang YANG and Zhi CHEN as honorary chairmans of the Chinese Society of Agricultural Machinery.



大会期间还召开了中国农业机械学会十一届一次理事会议暨学会功能型党委全体党员会议，选举产生了由于海业等49人组成的中国农业机械学会第十一届理事会常务理事。王博当选第十一届理事会理事长，于海业、刘旭、刘恒新、李安宁、杨洲、赵春江、赵剡水、姜文娟、袁寿其、隋斌、傅泽田（按姓氏笔画为序）等11位同志当选副理事长，提名聘任张咸胜为秘书长，并提名聘任赵凤敏、张振新为副秘书长。经表决会议还选举王博、刘恒新、刘旭、赵剡水、于海业、张咸胜、张振新等7位同志组成中国农业机械学会功能型党委。

The First Council Conference (Functional Party Committee Conference) of the 11st CSAM was also held during the congress. Through the congress election, Haiye YU and other 48 members were awarded as the executive directors of the 11th CSAM Council and Bo Wang was awarded as the chairman when Haiye YU, Xu LIU, Hengxin LIU, Anning LI, Zhou YANG, Chunjiang ZHAO, Yushui ZHAO, Wenjuan JIANG, Shouqi YUAN, Bin SUI and Zetian FU (ordered by the surname strokes in Chinese characteristics) as the vice chairmans. Xiansheng ZHANG was nominated to be the secretary-general, and Fengmin ZHAO as well as Zhenxin ZHANG to be deputy secretary-generals. And also Bo WANG, Hengxin LIU, Xu LIU, Yushui ZHAO, Haiye YU, Xiansheng ZHANG and Zhenxin ZHANG were elected to form the functional party committee of the CSAM.

大会第三阶段全体会议由刘恒新副理事长主持。第十一届理事会理事长王博致闭幕词。他在发言中首先对以罗锡文院士为理事长的学会第九、十届理事会在推动行业科技进步、增进学术交流等方面所做出的突出贡献给予高度赞扬。王博指出，自成立以来，中国农机学会在促进农业机械科学事业的繁荣与发展、促进技术普及与推广、促进科技人才的成长与提高等方面做出了突出贡献，是我国农业机械化事业发展的重要社会力量。

The third session was presided over by vice chairman Hengxin LIU. And the chairman of the 11th Council Bo WANG delivered the closing speech. In his speech, he showed the high appreciation to the prominent contribution made by the 9th and the 10th Councils lead by academican Xiwen LUO in promoting the industry sci-tech improvement and academic communication. He pointed out that CSAM had made great contribution to promoting the prosperity and development of the agricultural machinery science, technology popularization and sci-tech talent improvement ever since its establishment and it is the significant social power to the development of the China agricultural mechanization.

大会期间还举行了颁奖典礼。对中国农机学会“中国农业机械发展贡献奖（2014~2018年度）”获得者王金富、毛罕平、方宪法、应义斌、陈学庚、范伯仁、诸慎友、韩鲁佳等8位同志，“中联重科杯第六届中国农业机械学会青年科技奖”获得者王强、王在满、付君、孙宜田、沈有柏、张若宇、张金凤、张俊宁、黄光群、董昊等10位同志，进行了隆重表彰和奖励。并对20个中国农业机械学会先进集体（2014~2018年度）、32位中国农业机械学会先进工作者（2014~2018年度）和71篇中国农业机械学会优秀论文（2014~2018年度）等进行了隆重表彰。

An award ceremony was held during the congress. The eight awardees of "China Agricultural Machinery Development Contribution Award (Year 2014-2018)", Jinfu WANG, Hanping MAO, Xiangxiang FANG, Yibin YING, Xuegeng CHEN, Bolen FAN, Shenyou ZHU and Lujia HAN, and the ten awardees of "Zoomlion Cup 6th China Agricultural Machinery Society Youth Science and Technology Award", Qiang WANG, Zaiman WANG, Jun FU, Yitian SUN, Youbai SHEN, Ruoyu ZHANG, Jinfeng ZHANG, Junning ZHANG, Guangqun HUANG and Hao DONG, were honored and rewarded. In the meantime, 20 advanced collectives of CSAM (Year 2014-2018), 32 advanced workers of CSAM (Year 2014-2018) and 71 excellent papers of CSAM (Year 2014-2018) were honored on the ceremony.



虎踞钟山，金麟汇聚 | 南京农业大学第二届“钟山国际青年学者论坛”

优秀的青年学者：

您好，南京农业大学第二届“钟山国际青年学者论坛”，拟定于2019年5月24日至5月26日在南京召开。论坛旨在围绕“双一流”学科的建设任务，聚焦国际学术前沿，面向海内外汇聚一批获得较高水平学术成果、较好创新发展潜力的优秀青年人才。2018年的首届论坛，16名青年学者已成功加盟南农，签约率近30%。



2019年，我们将以更加诚挚的心意期待您的到来。



我们的简历

南京农业大学是教育部直属、国家“双一流”建设大学。在教育部第四轮一级学科评估中，4个学科获评A+，位列全国高校第11位；在ESI学科全球排名中，7个学科领域进入全球前1%，其中农业科学、植物学与动物学两个学科进入ESI全球前1‰。

2018年，学校获得3项国家科技成果奖、3项国家教学成果奖。学校位列U.S.News“全球最佳农业科学大学”第9名。



论坛学科领域

专业领域:

大农学类（作物学、园艺学、农业资源与环境、植物保护、畜牧学、兽医学、水产学、草学）；理工类（生物学、生态学、环境科学与工程、食品科学与工程、风景园林学、农业工程、生物信息学、统计学、计算机科学与技术、化学）；人文社科类（管理学、经济学、金融学、社会学、法学、历史学、语言学）等领域。

交叉学科:

基因组学与表型组学，微生物-植物-有害生物互作，农业信息学，食品营养与人类健康，区域与全球生态环境效应评估，污染修复生态，数字人文研究等。

论坛邀请范围

- 1.泰晤士排名前200名海外高校博士毕业生，年龄35周岁以下。
- 2.海外知名科研机构或研究所博士后，年龄40周岁以下。
- 3.海内外有潜力入围“四青”会评阶段的优秀青年人才。

有意向的优秀青年学者，论坛期间即可签订人才意向协议，具体待遇和条件面议。

论坛报名方式

符合条件且有意向的您：

请将《南京农业大学第二届钟山国际青年学者论坛报名表》及个人学术成果支撑材料（电子版）发送至邮箱 njrcb@njau.edu.cn，并注明邮件主题“姓名+拟联系学院+青年学者论坛”。

报名截止日期：2019年4月30日

学校将会在5月5日前发出参会邀请函

论坛日程安排

5月24日：全天报到。

5月25日：论坛开幕式，校领导致欢迎辞；分领域、分会场邀请知名专家作报告、应邀青年学者作学术报告。

5月26日：分学院交流，参观座谈，学校与有关青年学者签署人才意向性协议。



差旅及食宿



学校负责提供受邀参会青年学者5月24日—5月26日3天食宿、经济舱机票等费用。

记得联系我们啊

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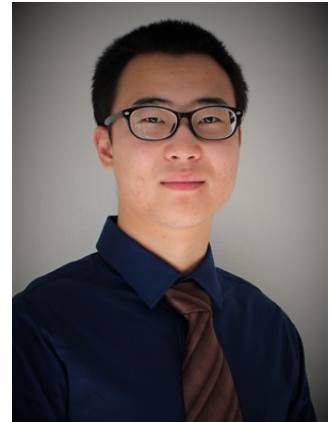
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(南京农业大学人才办)



Interview with Dr. Yin Bao

Dr. Yin Bao is currently a Postdoctoral Researcher at Iowa State University. He will be joining the Department of Biosystems Engineering at Auburn University as an Assistant Professor in August 2019. Dr. Bao joined AOC and SAC (Student Activity Committee) in 2014 as a graduate student. He served as the 2016-2017 SAC chair and an Associate Editor of IMPACT newsletter from 2015 to 2017. He received the 2017 AOC Graduate Leadership and Service Award. He has also won several AOC graduate student competition awards including 1st places of research presentation competition in 2016 and 2017 and 1st place of paper competition in 2017.



Could you introduce your educational or training background briefly?

I received my B.S. degree in Mechanical (Vehicle) Engineering from China Agricultural University in 2012 with a focus on vehicle electronics. Then I studied for one semester in the Department of Mechanical Science and Engineering at the University of Illinois Urbana-Champaign, where I enhanced my background in Mechatronics. In January 2013, I started my PhD program in the Department of Agricultural and Biosystems Engineering at Iowa State University and earned my degree in 2018. During the time at Iowa State, I have developed several machine-vision-based robotic systems to help plant scientists and breeders quantify crop performance in an objective, high-throughput manner.

Do you enjoy your job?

I enjoy my job very much. I never get bored because there are challenging problems to solve every day. Building robots are fun and frustrating at the same time. But I love the feeling of turning an idea into an actual machine that works properly and reliably. Then I like to think that I have superpowers to automate very complex tasks and make people's lives easy. In addition, I believe we learn from making mistakes. So I like being given the freedom to explore different solutions and gain new knowledge and experience.

What is your biggest challenge you have faced so far?

I used to feel that doing my research is the biggest challenge and I guess a lot of graduate students feel the same. I believe in the growth mindset where people believe they can increase their abilities and achievement by taking on challenges and learn from them. But at the same time, I am realizing that I need to learn my physical and mental limits and push them strategically. If you always push them too hard every time, you will get hurt eventually. So, my biggest challenge now is to know when to stop pushing myself and manage my desire to achieve every goal. Spending time with my family and playing sports with friends are good ways to relax and reset. Eventually, I want to maintain a healthy work-life balance.

What career advice would you give to AOC students?

Since I recently landed a faculty position, I can share some reflection of mine. When it comes to faculty job hunting for newly minted PhDs, you will want to demonstrate not only a strong publication record but also experience of teaching/extension, collaboration, mentoring, grantsmanship, and service to the profession. Delivering an impressive teaching seminar/chalk talk is highly important. I encourage you to develop your teaching skills during your study. Another tip is that do not be afraid to seek advice from experienced people around you. Your major professor and colleagues know your work, and they can provide constructive feedback on your seminars. You also need to talk with new assistant professors, associate professors/professors, and administrators to learn different perspectives and expectations of the hiring process. Lastly, in addition to being able to answer tough questions, you need to prepare many good questions for the interviewers, which shows you are prepared, thoughtful, and serious about the position.

There are Ph.D. or M.S. graduate research assistantships available with Dr. Bao. Please feel free to contact him.





www.eng.auburn.edu/bsen

Biosystems Engineering Department

Ginn College of Engineering - College of Agriculture

Graduate Research Assistantships

The Department of Biosystems Engineering (BESN) at Auburn University (AU) is seeking applications for Graduate Research Associate positions (M.S. or Ph.D.) to conduct innovative research in smart cyber-physical systems in Agriculture and Forestry. The positions are available for Fall 2019, Spring 2020, and Fall 2020 semesters.

Responsibilities: The successful candidates will be responsible for fulfilling the degree requirements of the Biosystems Engineering Ph.D. or M.S. programs, and conduct research in a timely manner. The successful candidates will focus on engineering novel Sensing, IoT, Robotics, and Big Data Analytics technologies in Precision Agriculture and Forestry, and Predictive Phenomics. A wide range of subjects may be focused on including crops, livestock, and trees.

Qualifications: The candidates should have:

- An earned B.S. or M.S. in Biosystems/Biological/Agricultural Engineering, Mechanical Engineering, Computer Engineering, Electrical Engineering, or closely related engineering disciplines by the expected start date.
- Sufficient credentials:
 - * GPA > 3.0;
 - * GRE test scores;
 - * TOEFL > 79 with each subcomponent > 16, or IELTS > 6.5 for international students.
- Strong oral and written communication skills.
- Experience in one or more of the following areas:
 - ◇ programming (Python, C/C++, Matlab);
 - ◇ circuit design, instrumentation, and embedded systems;
 - ◇ computer vision, machine learning, and deep learning;
 - ◇ robotics and Robot Operating System (ROS);
 - ◇ 3D design (SolidWorks, Inventor, AutoCAD) and 3D printing;
 - ◇ web development.

Salary: The successful candidate will receive an annual stipend, a tuition waiver, and health insurance.

Application: Please email a CV and copies of test scores and transcripts to Dr. Yin Bao at yinbao@iastate.edu

209 Tom Corley Building

Auburn, AL 36849-5417

Telephone:

334-844-4180

FAX:

334-844-3530

www.eng.auburn.edu/bsen



**Ph.D. Graduate Research Assistant Positions in
Biosystems Engineering and Polymer Chemistry**

Position Description:	The biomanufacturing lab in the Department of Grain Science and Industry at Kansas State University seeks two Ph.D. students to implement research in microalgae, smart polymers, bioremediation, and fermentation.
Responsibilities:	<ul style="list-style-type: none"> • Degree-required course work • Work on projects funded by NSF CAREER Award: <ul style="list-style-type: none"> o Project 1 <ul style="list-style-type: none"> § Thermoresponsive polymer (TRP) synthesis and characterization § Chemistry of TRP phase change § Understanding and visualization of interactions between TRP and microalgal cells § CO₂ fixation to enhance microalgae cultivation o Project 2 <ul style="list-style-type: none"> § Bioremediation of emerging contaminants with marine protists § Omics of marine protist for polyaromatics depolymerization and metabolism § System biology and genetic tool development of protist for value-added applications
Requirements:	<ul style="list-style-type: none"> • Must have a master or bachelor’s degree in Material Science and Engineering, Polymer Chemistry, Biosystems Engineering, Biological & Agricultural Engineering, Chemical Engineering, Environmental Engineering, Microbiology, Fermentation or closely related fields • Demonstrated research experience and strong written and oral communication skill • GRE>294 with writing >3.5, TOFEL>90 or IELTS>6.5 • GPA>3.0
Location:	Grain Science and Industry Department, Kansas State University, Manhattan, KS 66506
Salary:	\$27,000/year including stipend, tuition and benefits
Start Semester:	Fall 2019 or Spring/Summer/Fall 2020
To Apply:	Please e-mail a CV, a one-page personal statement and transcripts as well as GRE/TOEFL/IELTS scores to Dr. Yi Zheng at yzheng@ksu.edu with the e-mail subject as “PhD GSA-2019”.



UNIVERSITY OF GEORGIA

Ph.D. or M.S. opportunity at the University of Georgia

The Department of Poultry Science at the University of Georgia is seeking 1-2 highly self-motivated graduate student assistants in poultry environmental engineering, precision animal farming, and animal behavior and welfare. Students with M.S. or B.S degree from Agricultural Engineering, Biosystems Engineering, Animal or Poultry Science are encouraged to apply. Starting time is Fall of 2019 or Spring of 2020. Preference will be given to candidates with publications and commercial farm experience.

The University of Georgia, founded in 1785, is a flagship university in the USA. It is ranked 13th overall among all public national universities and 46th among all national universities in the 2019 U.S. News & World Report rankings. The Poultry Science Department at UGA was ranked US#1 in 2017 by Universities.com.

Requirements:

- TOEFL - At least 80 for overall score, 20 pts each on speaking and writing.
- IELTS - Min. bandwidth of 6.5 overall with no section below 6.0.
- GRE > 297; GPA > 3.0

Contact:

Dr. Lilong Chai

Department of Poultry Science

College of Agricultural and Environmental Sciences, University of Georgia

Athens, Georgia 30602, USA

Email: lchai@uga.edu

Phone: +1 706-542-8137

Two Ph.D. Research Associate positions are available for 2019 fall semester enrollment

The Department of Civil & Environmental Engineering at Virginia Polytechnic Institute and State University, also known as Virginia Tech, invites applications for two Ph.D. Graduate Research Associate positions in Environmental Engineering to pursue research in two research directions described below. These graduate students will conduct research in the Sustainable Environment Research Laboratory (SERL) of Dr. Zhiwu (Drew) Wang stationed at the Northern Virginia Campus within the Washington metropolitan area. Both positions can be available as early as summer 2019.

Both positions involve extensive fieldwork in local utilities, thus requires the graduate student to be able to drive vehicles between multiple experimental sites and work closely with industrial partners. The candidate with good hands-on ability and aspiration to finding solution to real-world engineering problems is preferred.

The ideal candidates should possess Master or Bachelor degrees in civil engineering, environmental engineering, chemical engineering, biological system engineering, or a related field with minimum GPA: 3.0. While our department does not have a minimum required score for the GRE, most admitted applicants have at least a 155 on the Quantitative Section of the exam. For international students, TOEFL score is required. Our departmental minimum is 90 (internet-based). Further, TOEFL scores of 20 or greater in Listening, Writing, Speaking, and Reading subsections are required. IELTS may be substituted for the TOEFL only if it is above 6.5.

Interested students are encouraged to contact Dr. Wang directly at wzw@vt.edu with email subject as “**2019 SERL GRA application**”. A curriculum vita should be provided in your email showing GPA, GRE and TOEFL scores, the contact information of three references, and a full list of publications if applicable. Interested candidates can find more information about Dr. Wang’s research at <https://www.water.cee.vt.edu>. The review process will begin immediately and continue until all positions are filled. Preference will be given to candidates with mathematical modeling skills. The selected candidates will be supported with monthly stipend around \$2,200 besides benefits and full tuition.

1. Advanced anaerobic digestion system:

A Ph.D. will be supported by this USDA funded project to revolutionize the modern anaerobic digestion systems by using special techniques to enhance the feedstock digestibility, improve digestate dewaterability, and close the loop of water budget by recirculating the purified effluent. Development of these techniques to coordinate and consolidate these integrated processes with the design and operation of anaerobic digesters is the focus of this study. Candidates with experience in using gas chromatography are especially welcomed.

2. Continuous-flow biogranulation technique:

A Ph.D. student will be supported by this project with the aim of enabling microbial granulation in continuous-flow bioreactors for multiple pollutants removal or value-added product generation. Candidates with previous experience in the design and operation of bioreactors and mathematical modeling are especially welcomed. Both fundamental and applied research opportunities can be found in this one project.

Zhiwu (Drew) Wang, Ph.D., P.E.

Assistant Professor

Department of Civil and Environmental Engineering, Virginia Tech



Graduate Research Assistant Position (Ph.D.) in Biosystems Engineering

Position: The Department of Biosystems Engineering and Soil Sciences (BESS) at the University of Tennessee (UT) seeks one Ph.D. student (0.5 FTE) to conduct research on smart agriculture, remote sensing, robotics, machine vision, or sensors for biological systems.

Responsibilities: Fulfill the degree requirements for the Biosystems Engineering Ph.D. program, and conduct research in a timely manner.

Requirements: The candidate must have a master's or bachelor's degree in biosystems engineering, agricultural and biological engineering, electrical engineering, mechanical engineering, computer science or a closely related field with demonstrated research experience, and strong written and oral communication skills. For other requirements, please refer to the website:
<https://gradschool.utk.edu/admissions/applying-to-graduate-school/>

Preferred Skills: (1) Programming skills (Python, C/C++, Java, Matlab, etc);
(2) Experience in microcontrollers and circuit design;
(3) 3D drawing software (SolidWorks, AutoCAD, etc.);
(4) Experience in computer vision or image processing; and
(5) Experience in remote sensing using UAVs.

Salary: The successful applicant will receive a tuition waiver, an annual stipend, and health insurance.

Location: University of Tennessee, Knoxville

Start Semester: Fall 2019, Spring 2020 or Fall 2020.

Please refer to the following website for the application deadlines.
<https://ag.tennessee.edu/BESS/Pages/GradApplyDeadline.aspx>

To Apply: Please email a CV, a 1-page personal statement, test scores and unofficial transcripts to Dr. Hao Gan at ganhao89@ufl.edu



GRADUATE RESEARCH ASSISTANT IN **BIOPROCESS ENGINEERING**

TITLE: *Graduate Research Assistant*

LOCATION: *University of Kentucky, Lexington, KY*

JOB DESCRIPTION AND RESPONSIBILITIES:

Graduate assistantships (M.S. or Ph.D.) are available for outstanding candidates who are interested in the following research areas:

- Lignin valorization for fuels, chemicals and advanced materials
- Catalysis and biocatalysis for lignocellulosic biomass
- Fermentation process development and modeling
- Bioproducts separation and recovery
- Municipal, food and agricultural waste treatment and conversion

You will work together with a cluster of university wide researchers to explore lignin based chemicals and advanced materials for applications in advanced-membrane technologies, water purification, and electro-chemical energy storage (through recent NSF EPSCoR RII Track 1 & 2 and USDA-NIFA awards, read more at: <https://www.uky.edu/bae/shi-lab>).

QUALIFICATIONS: The candidates should have:

- An earned B.S. or M.S. in Biological/Agricultural Engineering, Chemical Engineering, Environmental Engineering, or Material Science and Engineering
- Good knowledge of one or more of the aforementioned research areas
- With credentials sufficient for admission into the UK graduate school (GPA>3.0; TOEFL>93 or IELTS>6.5 for international students; GRE Test Scores)
- Applications must be received by March 15th/Fall or by August 15th/Spring Admission
- Ability to formulate and conduct experiments including data collection and analysis
- Strong oral and written communication skills

APPLICATION: Applicants may contact:

Prof. Jian Shi

Biosystems and Agricultural Engineering Department
115 Charles E. Barnhart Building
University of Kentucky, Lexington, KY 40546-0276

Phone: 549-218-4321

Email: j.shi@uky.edu

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The 2018-2019 IMPACT editorial Board earnestly invites you to submit news and activity reports related to ASABE and AOC. Please send your write-up and/ or picture news to the Editorial Board at aoc.impact@gmail.com. The IMPACT Board will work with you to put your news into the publication.

It is our publication and it is your publication. We sincerely thank each and every AOC members for their support!