

IMPACT

PRESIDENT'S REMARK

Dear AOC members, families and friends:

One could hardly believe that the entire world has been changed so profoundly by COVID-19. Many of us have to work from home for weeks, practice social distancing, prepare and deliver courses online, and deal with school kids whose classes have also been cancelled. This would be the new normalcy for us, extending to the fall to next spring.

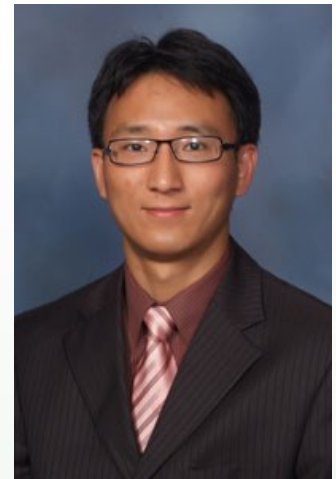
You may already know that ASABE will transition the 2020 AIM, originally to be held in Omaha in July, to virtual online meetings. While this shift can be challenging, it also presents opportunities. As for AOC, our efforts have been to minimize the disruption and ensure there will be a meaningful virtual event for our Chinese community. I am working with the executive committee to develop strategies and plans for our China Exchange Forum, election of new board members, and student/faculty awards. Highlights of these plans are listed below, and you can find more details in this issue of IMPACT.

- We will have the China Exchange Forum as a virtual session. Dr. SHI Jian from University of Kentucky is coordinating with ASABE for a better timing of this event, that more people from China can attend. He is also working with the invited speakers.
- We will conduct the election of new board members virtually. Most importantly, nomination is sought for President-Elect.
- We will still have AOC faculty and student awards, as well as the student paper and presentation awards. Award recipients will be officially recognized in the 2021 AIM meeting.

I encourage all of you to consider registering for the ASABE online meeting and reserve time to attend these AOC events. I strongly believe that there will be ample opportunities for learning, ideas exchange, and networking using today's technology such as Zoom. I look forward to seeing all of you, virtually, between 7/12 and 7/15.

Finally, I wish that you all stay safe and healthy.

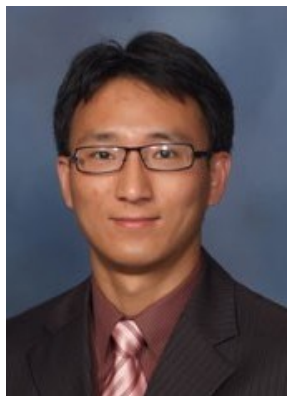
Yufeng Ge



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AOC 2019-2020 Executive Board



GE, YUFENG

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Lincoln, PRESIDENT



LI, HONG

University of Delaware,
PAST PRESIDENT



SHI, JIAN

University of Kentucky,
PRESIDENT-ELECT



ZHANG, NAIQIAN

Kansas State University,
STUDENT ADVISOR



WANG, YINGKUAN

Chinese Academy of Ag-
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EXECUTIVE EDITOR OF
IJABE



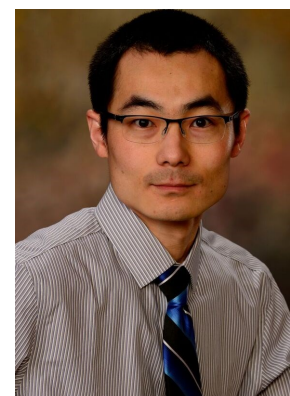
CHEN, LIPING

NERCITA., China,
DIRECTOR OF INSTITU-
TIONAL MEMBERSHIP



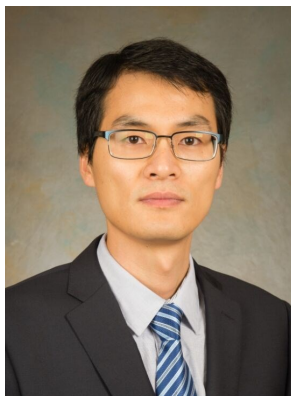
SHI, YEYIN

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



WANG, ZHIWU

Virginia Tech,
MEMBER-AT-LARGE



LIU, KAI

University of Hong Kong
MEMBER-AT-LARGE



CHEN, LONG

University of Nebraska-Lincoln
SAC CHAIR



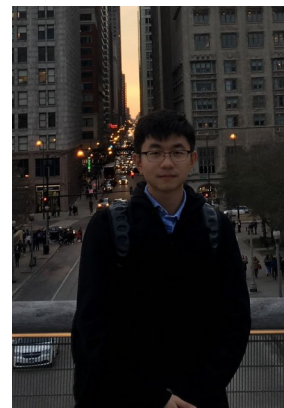
LI, JIATING

University of Nebraska-Lincoln
SAC VICE CHAIR



XIANG, LIRONG

Iowa State University
SAC VICE CHAIR



WANG, YUCHUAN

University of Illinois at Urbana-Champaign
ACTIVITY DIRECTOR



YU, DAJUN

Virginia Tech
TECHNOLOGY DIRECTOR



LIU, CAN

University of Kentucky
SECRETARY



WAN, LIANG

Zhejiang University
SAC MEMBER-AT-LARGE,



MA, ZHIHONG

Zhejiang University
SAC MEMBER-AT-LARGE

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, Shen- yang Agricultural University
南京农业大学工程学院	College of Engineering, Nanjing Agricultural University

Association of Overseas Chinese Agricultural Biological Food Engineers

Student Research Presentation Competition

PROGRAM GUIDELINES

Program description

This is an invitation to submit an oral presentation to 2020 AOC Student Research Presentation Competition Program. The winners will receive cash awards and are usually recognized at the AOC banquet. However, because of the Covid-19 pandemic, this year's winners will only be notified by e-mail and their official recognition will be postponed to the 2021 AOC banquet. The number of award winners (either two or three) will depend on the total number of entries. AOC hopes that award winners can benefit from the award for their professional development.

Eligibility

Each entry for the competition will be limited to one paper (ASABE conference paper for 2020 Annual International Meeting) per student, and the first author must be an AOC student member.

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

Scope

Various topics that may 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 2020 annual international meeting.

Deadline

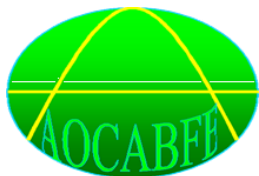
Send all documents including **entry form** and **shared links for presentation videos (Dropbox, Google drive, etc.)** in one single pdf file to **Dr. Yi Zheng at yzheng@ksu.edu** by **June 30, 2020**. All documents should be written or presented in English.

Evaluation Process

The length of the presentation is suggested to be 12 ± 0.5 minutes. If the presentation is longer than 12.5 minutes, the part beyond 12.5 minutes will not be considered for evaluation. Each presentation will be evaluated by five AOC faculty members using the attached evaluation form. The judging criteria include technical content, methodology, oral presentation, and Power Point appearance.

How to Produce and Submit Video

Presentation is recommended to be recorded in a suitable environment, such as meeting room, conference room or classroom, with minimal background noise. Both the 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 one of 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.



**Association of Overseas Chinese Agricultural Biological Food Engineers
Student Research Presentation Competition
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 submission of this research presentation for the competition.

AOC Fellow

It is the time again to nominate your colleagues as the Distinguished AOC Fellow. Nominations should be submitted to **Dr. Yufeng Ge** at yge2@unl.edu by **June 30, 2020**. Here are the instructions for submitting an AOC 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 achievements by a Member of AOC 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 as a 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** at 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 30, 2020**.

2020 AOC Achievement and Service Awards

It is the 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. Hong Li** at hli@udel.edu by **June 30, 2020**.

1. Early Career Award

Purpose: this award is to recognize outstanding career achievements 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 at the time of nomination. The recipient shall have made noteworthy contributions & achievements in the areas described above under “Purpose of the Award.”

2. Distinguished Career Award

Purpose: this award is to recognize distinguished career achievements in the profession of Agricultural, Biological and Food Engineering. The award is to honor achievements 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 achievements 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.

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 **Dr. Sarah (Xiao) Wu** at xwu@uidaho.edu no later than **June 30, 2020**. Note that your major professor does not have to be an AOC member, neither does he/she have to be Chinese! You may submit an entry to the competition or be nominated for an award even if you do not plan to attend the 2020 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 trend over 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

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 the 2020 nomination is June 30, 2020. 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 2020 ASABE AIM. The nomination should be sent to **Dr. Sarah (Xiao) Wu** at xwu@uidaho.edu no later than **June 30, 2020**.

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.

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. Sarah (Xiao) Wu** at xwu@uidaho.edu no later than **June 30, 2020**. You can find the judging criteria (score sheet) that will be used to evaluate your papers at <http://aocabfe.com/student-awards/>. The top five winners will receive certificates as well as cash awards. Please note that we only accept papers written for the 2020 ASABE AIM. Therefore, your paper must have a number assigned by ASABE.



2020 AOC Business Meeting Minutes

March 22 2020

Attendants: Yufeng Ge, Hong Li, Jian Shi, Haibo Huang, Zhiwu Wang, Yi Wang, Haiyan Cen, Yeyin Shi, Xiao Wu, Yi Zheng, Kai Liu, Long Chen

1. Dr. Hong Li asked about the AOC business plan meeting — if ASABE annual meeting is canceled for 2020. Dr. Jian Shi suggested that the awards could be evaluated this year but presented during the 2021 ASABE meeting.
All agreed, Yi Wang in favor
2. Yufeng Ge talked about AOC faculty and graduate awards. Dr. Yeyin Shi asked about the award funding amount for each award. Dr. Ge responded, no award funding for faculty. For students award, the highest awards are AOC academic achievement awards and AOC graduate service award (\$150). For other awards, such as student paper and research presentation competition awards, the highest rank is \$150, with \$25 decreasing for each lower rank. Dr. Yeyin Shi suggested that a bylaw should be created for this award funding. Dr. Jian Shi said that the bylaw can be only changed during AOC business meeting. Dr. Yeyin Shi asked whether the awards would be presented for graduate students if there is no AOC business meeting this year. Dr. Hong Li asked how much money is needed for graduate students award, Dr. Yeyin Shi said, it is ~ \$1000. Considering the AOC funding availability, awards for graduate students will still be presented this year.
3. Dr. Hong Li asked about the AOC election for President candidate this year. If ASABE meeting is canceled, will the election continue this year? Dr. Ge: the nomination will not be influenced if ASABE meeting is canceled. Dr. Ge will talk with Dr. Hong Li about the president nomination.
4. Dr. Hong Li asked Long Chen if there is any updated about SAC. Long responded, the SAC student gathering needs to be organized, the SAC Minute will be reported in AOC IMPACT Newsletter. The new SAC president needs to be elected before the AOC business meeting.
5. Dr. Hong Li asked about when the next issue of Newsletter will be published, Dr. Jian Shi suggested that this should be published before April considering the upcoming AOC awards and business meeting.
6. Dr. Jian Shi asked about the institutional membership: whether those institutions need to renew their membership after 5 years. Dr. Haiyan Cen asked about the institution membership fee for 5 years, Dr. Ge will ask for this information from ASABE.
7. Meeting adjourned.

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 2020 or Spring of 2021. 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 2019 by the 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



UNIVERSITY OF
GEORGIA

Job opportunities at the University of Idaho

Postdoctoral Research Associate

The University of Idaho Waste Management team seeks a highly motivated Postdoctoral Research Associate in developing technologies for recycling nutrients from dairy manure. Primary research will focus on nitrogen and phosphorus recycling from liquid dairy manure (such as ammonia stripping and phosphorus precipitation). The Postdoctoral Researcher will design and conduct experiments, operate laboratory equipment, analyze samples, interpret data, and will be expected to develop journal manuscripts, presentations, reports, and proposals. This position will be located at the University of Idaho Twin Falls Research and Extension Center and is expected to begin in September 2020. The exact starting date will be arranged with the candidate.

The ideal candidate should have a Ph.D. in Agricultural and Biological Engineering, Environmental Engineering, Civil Engineering, or a closely related area. The candidate is expected to have strong background and experience in waste treatment. In addition, the candidate should have a good record of published peer-reviewed journal papers. The willingness to collaborate with other faculty members and graduate students is required.

Interested applicants are encouraged to send a cover letter with statement of research interests and career goals, an updated curriculum vita, and names of three references (include affiliation, phone, and email) to Dr. Lide Chen at lchen@uidaho.edu.

Graduate Research Assistantships

The University of Idaho Waste Management team is seeking graduate students looking for a fully funded grad school opportunity (currently at least 2 Ph.D. students starting Fall 2020). Possible disciplinary degree tracks include Environmental Science, Water Resources, and Biological Engineering.

The graduate students will conduct on-farm and in lab experiments to search for better ways of manure nutrient recycling. The goal of the research is to make better use of dairy manure to support a more sustainable dairy industry. We are especially interested in individually talented, highly creative students who work well both as part of a team and independently. Students with strong applied science, engineering in waste management or a similar discipline (e.g., agricultural and biological engineering, environmental engineering/science, civil engineering, soil chemistry etc.) are of particular interest. Demonstrated academic excellence and passion for solutions to grand challenges are critical.

Interested folks are welcome to contact Dr. Lide Chen via email (lchen@uidaho.edu) and forward their resumes, a letter describing relevant research experience and research interests, names of three references (include affiliation, phone, and email) to Dr. Lide Chen.





Biosystems Engineering Department

Ginn College of Engineering - College of Agriculture

PhD Student Position available

One PhD student position is available in Dr. Yi Wang's group in the Biosystems Engineering department at the Auburn University. The candidate is expected to start Fall 2020 or Spring 2021. The research focus would be on **'value-added biofuel and biochemical production through bioprocess engineering, metabolic engineering, and synthetic biology strategies'**. Prospective candidates with background (a MS degree is preferable) in Biotechnology, Microbiology, Biomolecular Engineering, Chemical Engineering, Environmental Engineering, Biosystems Engineering, Bio-Materials Engineering, or other relevant fields are encouraged to apply. Prior research experiences in bioprocess engineering, molecular biology, metabolic engineering, synthetic biology, bacteriophage handling, and fermentation are preferred, but not required. Interested applicants may send their curriculum vitae including the names of three references to Dr. Yi Wang at yiwang3@auburn.edu. For more information, please refer to <http://www.eng.auburn.edu/users/yzw0066/>.

Due to the impact from COVID-19 pandemic, Auburn University Graduate School has recently announced temporary waivers for admissions exam (GRE) requirements for Fall 2020 and Spring 2021 Admission periods.

<https://ocm.auburn.edu/news/coronavirus/updates/20200410-graduate-schoolwaivers.php?ref=coronavirus>

However, candidates with decent English test scores (GRE and Toefl if applicable) are still highly preferable.

Auburn University is a land-grant and public research university (an "R1" institution by the Carnegie Classification of Institutions of Higher Education). The University is located in the city of Auburn in east-central Alabama near the metropolitan areas of Montgomery and Birmingham, Alabama, and Columbus and Atlanta, Georgia. U.S. News ranked Auburn among its top ten list of best places to live in United States for the year 2010.

You can find more information about Auburn University at:

https://en.wikipedia.org/wiki/Auburn_University

<http://baike.baidu.com/view/191883.htm>

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334-844-3530

www.auburn.edu/bio



Biosystems Engineering Department

Ginn College of Engineering - College of Agriculture

Post-doc position available

One **Post-doc research associate** position is available in Dr. Yi Wang's group in the Biosystems Engineering department at the Auburn University. The candidate is expected to start as soon as possible. The appointment is for an initial period of one year, with the possibility of renewal depending on performance and funding availability. The research focus would be on **'value-added biofuel and biochemical production through bioprocess engineering, metabolic engineering, and synthetic biology strategies'**. Prospective candidates with background in Biotechnology, Microbiology, Biomolecular Engineering, Enzyme engineering, Chemical Engineering, Environmental Engineering, Biosystems Engineering, BioMaterials Engineering, or other relevant fields are encouraged to apply. Interested applicants may send their curriculum vitae including the names of three references to Dr. Yi Wang at yiwang3@auburn.edu. For more information, please refer to <http://www.eng.auburn.edu/users/yzw0066/>.

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You can find more information about Auburn University at:

https://en.wikipedia.org/wiki/Auburn_University

<http://baike.baidu.com/view/191883.htm>

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The 2019–2020 AOC IMPACT Editorial Board

Call for News & Activity Reports

The 2019-2020 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!

征稿启事

