

IMPACT

VOLUME 16 ISSUE 1

PRESIDENT'S MESSAGE

Dear friends, colleagues, and AOC members,

First, I want to thank everybody for your continued support of AOC, and wish you a happy and prosperous new year! The AOC board has held two board meetings, and has been hard at work during the past few months. To ensure that AOC continues its important work, we have done the following:

1. Determined the contents and approved the procedure for amending AOC's bylaws to make AOC a more regulated organization;
2. Created AOC and Board member WeChat groups to facilitate communication between people in the AOC community;
3. Approved the proposal of the new web design, including a mentor program application to provide a new look and more powerful functions to the AOC website;



4. Confirmed and approved to continue the fellow program this year and to make efforts to create an ASABE-level award in the next few years.

This summer, we will be hosting several meetings, including the AOC/NERCITA China Exchange Forum, the AOC annual business meeting, and the AOC award banquet in Spokane, Washington during the 2017 Annual International Meeting of ASABE. We have been excitedly planning these activities, and I hope to see everyone there.

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I have truly appreciated the enthusiasm and passion of all of the members of AOC. It has been wonderful meeting and hearing from so many of you already, and I look forward to meeting and hearing from more of you throughout the year to improve the leadership and operation of AOC. I am so proud to be a part of this organization and community, and hope you are as well. AOC has already had 15 wonderful years, and with your continued support, will have at least another wonderful 15 years!

Sincerely,

Yanbo Huang

AOC President (2016-2017)



海外华人农业生物食品工程师协会



Valid until 1/30 and will update upon joining group

**Association of Overseas Chinese Agricultural, Biological and Food Engineers
(AOCABFE)**

海外华人农业、生物与食品工程师协会

<http://www.AOC-web.org>

AOC Executive Board (2016 –2017)



Yanbo Huang
USDA ARS,
President



Zifei Liu
Kansas State University,
Vice President



Zhiming Qi
McGill University,
President-Elect



Lie Tang
Iowa State University,
Past President



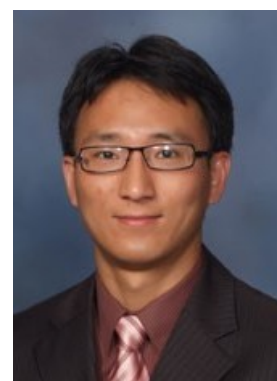
Naiqian Zhang
Kansas State University,
Student Advisor



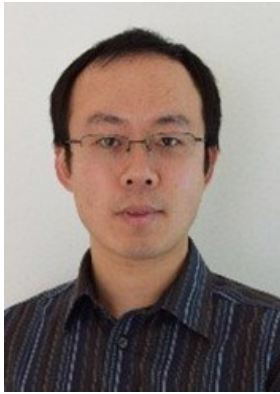
Yingkuan Wang
Chinese Academy of Ag-
ricultural Engineering,
IJABE Editor-in-Chief



Liping Chen
NERCITA., CHINA, Insti-
tutional Membership



Yufeng Ge
University of Nebraska-
Lincoln, Member-at-
Large/Treasurer



Jian Jin
Purdue University,
Member-at-Large



Jian Shi
University of Kentucky,
Member-at-Large
Web Manager



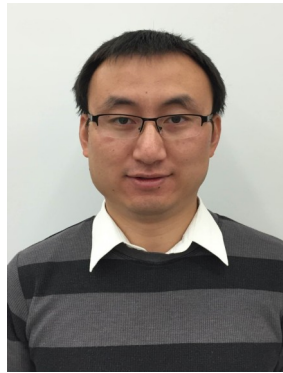
Liangcheng Yang
Illinois State University,
Member-at-Large
Membership Develop-
ment



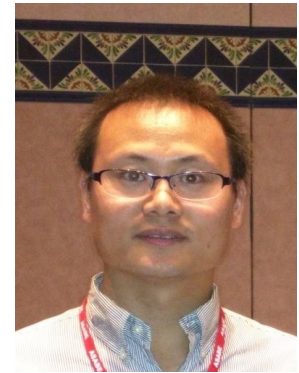
Yongbo Wan
University of Kentucky,
Member at Large
Professional Develop-
ment



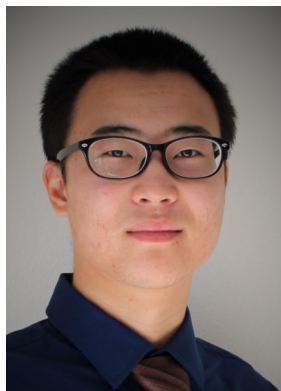
Yeyin Shi
University of Nebraska-
Lincoln, Member-at-large
Secretary



Yang Zhao
Mississippi State University,
Member-at-large



Lilong Chai
Iowa State University,
Member-at-large
Newsletter Editor



Yin Bao
Iowa State University,
SAC Chair.



Yue Rong
University of Florida, SAC
Vice Chair



Yang Liu
Kansas State University, SAC
Vice Chair

AOC Institutional Membership

新疆兵团农业装备产业联盟	Xinjiang Production and Construction Corps
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

AOC BOARD MEETING MINUTES

- Time: 2pm CST, 01/20/2017
- Attendees: Jian Shi, Liangcheng Yang, Lilong Chai, Yanbo Huang, Wenqi Li, Yin Bao, Zifei Liu, Yang Zhao, Zhiming Qi, Lie Tang, Jian Jin

1. Meeting started at 2:07 pm CST
2. **BOARD COMMITTEE:** Yanbo Huang mentioned that AOC board committee received full appointments this year. Committee members not received service assignments will be able to serve in next year.
3. **FINANCIAL BALANCE:** Yanbo Huang reported AOC financial balance of ~\$31,000.
4. **INSTITUTIONAL MEMBERSHIP** - Discussions covered overdue payment of an institutional member and continuous development of institutional membership (Liping Chen).
5. **LEADERSHIP IN AWARD NOMINATION:** Ying Bao for service award; Lie Tang for faculty award; Liangcheng Yang for student presentation award; Zifei Liu for fellow award. Publish all 'call for nomination' announcements in IMPACT. Zhiming Qi recommended mentioning processes of award nominations in ASABE AOC meeting.
6. **NO. OF FELLOW NOMINATION:** Yanbo Huang recommended up to one AOC fellow nomination per year. All committee member approved. The standard for fellow nomination needs further discussion in next board meeting.
7. **AWARD COMMITTEE:** Yanbo Huang brought up formation of an award committee.
8. **WECHAT GROUP:** Yanbo Huang recommended creating WeChat group for AOC members and AOC board members. Liancheng Yang suggested adding faculty members in SAC WeChat group.
9. **NEW AOC WEBSITE:** Jian Shi found a web developer at UK. Cost for redesigning the website is \$1,500 for web only and \$2,000 for web and logo. WordPress can be used for updating the website.
10. **IMPACT NEWSLETTER:** Lilong Chai updated the progress. Next issue will be published in Feb 2017. Content for next issue was sent to all board members. Interviewers for next issue will be Liancheng Yang and Zifei Liu. Lilong Chai recommended providing AOC membership certificates to all members. Liancheng Yang will send friend/member contacts to Lilong Chai/Yin Bao.
11. **EXCHANGE FORUM:** Three speakers have agreed to participate the forum so far. More are needed. Yanbo Huang warned about the absence of speakers.
12. **BY-LAW AMENDMENT:** Discussion focused on the approval process for by-law amendments. Ideas of amendment are welcome.
13. **AOC PRESIDENT NOMINATION COMMITTEE:** Discussion focused on members in this committee. For this year, five members will be in the committee, including:
 - a. Current president
 - b. Past presidents in previous four years
 - c. The most recent past president will be the Chair of nomination committee. Lie Tang will be the Chair of nomination committee this year.
14. **2017 AOC BANQUET:** Discussion focused on the budget balance.
15. Adjourn at 4:00 pm CST (minutes recorded by Yang Zhao)

AOC Instructions for Submitting Fellow Nominations

♦ 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.”

♦ Elements of Nomination

Qualifications for Fellow are described in the Bylaws and Rules of AOCABFE, Article B5, Qualifications for Admission, Paragraph 3 (see <http://www.aoc-web.org/constitution.html>).

To nominate an AOCABFE Member for the Grade of Fellow, the nominator shall provide AOCABFE executive board with the following documents by **May 1st, 2017**.

- a. Nomination Form: Please use the attached Nomination Form. The maximum length of the completed Nomination Form is four pages (10 pt. or larger font).
- b. Five letters of support. Please follow the instructions described on the next page.

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. Zifei Liu – zifeiliu@ksu.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 May 1st, 2017.

♦ Notification of Election

The nominator of the Fellow nominee shall be notified by AOCABFE executive board after the nominee has been recommended by the Fellows Committee and elected to the Grade of Fellow by the AOCABFE executive board. If the nominee is not selected in the first year of consideration, the nominee will be considered by the Fellows Committee for two additional years. AOCABFE executive board will notify individuals elected to Fellow. News releases and publicity will be issued at the time of the Annual Meeting at

♦ Procedure in Case of Death of Nominee

If a Fellow nominee should die after the nomination is submitted to AOCABFE executive board, that nomination will be considered as if the nominee were still alive with the nominee remaining eligible for election to Fellow for the two year period mentioned above in addition to the first year of consideration. Nominations of deceased AOCABFE members for Fellow cannot be accepted.

◆ **Instructions for the Letters of Support**

The letters of support are to be prepared by those who are broadly representative of the profession insofar as technical interest, occupation and professional responsibility are concerned. The supporting letters shall relate the writer's personal knowledge and evaluation of the candidate's achievements, recognitions and professional activities. Each letter is limited to a maximum length of two pages (10 pt. font or larger), and should be converted into a pdf file for submission.

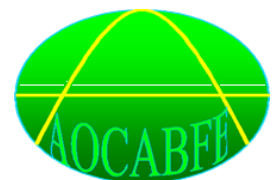
The following guidelines are provided for developing a well-structured letter of support.

DO include in the Letter of Support:

- a. First the author is to briefly state his/her own background, credentials, current employment and the employment most applicable for the relationship with the nominee.
- b. Summarize personal knowledge about the nominee and the circumstances under which the nominee was known, including the length of time the author has known and/or worked with the nominee.
- c. Focus on the unique contributions that the nominee has made to the profession.
- d. Describe the nominee's personality, work ethic and teamwork skills, particularly in relationship to professional contributions made by the nominee.
- e. Cover each point of support clearly, but as concisely as possible.
- f. Keep the letter focused and make it no longer than two (2) pages (10 pt. font or larger).
- g. Each author is to provide complete author contact information and be on official stationary where possible.

DO NOT include in the Letter of Support:

- a. Do not restate information that is already included in the completed nomination form.
- b. Do not describe participation in religious organizations or political parties.
- c. Do not exceed the specified maximum length of the letter.



GRADE OF FELLOW

(Nomination due by May 1st, 2017)

AOCABFE: The Association of Overseas Chinese Agricultural Biological Food Engineers

NOMINATION FORM

PRIVILEGED INFORMATION

Note: This form, along with the 5 letters of support will provide the only information used for the evaluation of your candidate. The form must be completed in a maximum of 4-typewritten pages (10 pt. font or larger). Please convert the completed nomination form into a pdf file for submission.

1 Candidate Name (first name, middle name or initial, last name), **Address, Phone Number, E-mail Address and Years of AOCABFE Membership:**

2 Primary Employment Position and Institution/Company:

4 Education (list all degrees earned, dates, major fields, and institutions):

5 Areas of Specialization:

6 Specific Outstanding Technical and Professional Accomplishments and Contributions Meriting Election to the Grade of Fellow. Examples:

Publication of important, original engineering or engineering-related papers, books or inventions

Technical direction with evidence of accomplishment of important engineering or engineering-related work

Creative contributions to the advancement of the profession

Establishment or furtherance of important engineering or engineering-related courses or significant contributions to engineering or engineering-related extension

Organizational or technical leadership which has motivated or developed the application of engineering or engineering-related principles

Describe the impact of the work locally, nationally and internationally in areas such as the economy, industry, education or practice.

(Please include dates and limit to a maximum of 600 words)

7 Record of Professional Work Experience (list principal positions and describe primary responsibilities for each; include dates):

8 Contributions of Record

Contributions related to publications: brief description of up to 10 of the most significant published contributions, including books, book chapters, conference proceedings, refereed journal articles, patents, other publications. (list complete title, all authors, source, and date for a maximum of ten (10) publications of most significant impact)

And/or

Contributions related to solutions: categorized as appropriate -- i.e., products designed, guides developed, engineering projects completed, standards developed, etc.
 (give brief description of up to ten (10) most significant contributions)

- 9 **Principal Technical Society Membership (including grades) and Activities, and Other Noteworthy Pertinent Accomplishments in Engineering, Technical Editing, Engineering Standards Development and Public Service** (boards, committees, consultantships, important offices held and contributions to society):

- 10 **Professional Recognition** (honors, awards, prizes, honorary degrees; give specifics):

Nominated by:

 Name

 E-mail address

 Affiliation and telephone number

 Mailing Address

 City, State, Zip Code, Country

 Date

***References – List five (5) references. All references must submit individual letters of support.**

- | | | | |
|----|-------|------|------------------|
| 1. | _____ | Name | Work Affiliation |
| 2. | _____ | Name | Work Affiliation |
| 3. | _____ | Name | Work Affiliation |
| 4. | _____ | Name | Work Affiliation |
| 5. | _____ | Name | Work Affiliation |

* Note: Refer to “Instructions for Submitting Fellow Nomination” for instructions on Letters of Support.

Call for Nominations

2017 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 awards as listed below. Nominations for the AOC awards should be submitted to Dr. Lie Tang at lietang@iastate.edu by June 1, 2017.

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.

Association of Overseas Chinese Agricultural Biological Food Engineers

Student Research Presentation Competition

PROGRAM GUIDELINES

Feb 1, 2017

Program description

This is an invitation to submit oral presentation to 2017 AOC Student Research Presentation Competition Program. The winners will receive 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 2017 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 2017 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. Liangcheng Yang at lyang@ilstu.edu by **June 20, 2017**. 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 by 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, 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 submission of this research presentation to the competition.

AOC Graduate Academic Achievement Award

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, 2017. 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 2017 ASABE AIM.

Candidates's 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

AOC Graduate Leadership and Service Award

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 2017 nomination is July 1, 2017. 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 2017 ASABE AIM. The nomination should be sent to Professor Naiqian Zhang no later than July 1, 2017.

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.

AOC Student Paper Competition

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 10, 2017**. 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 2017 ASABE AIM. Therefore, your paper must have a number assigned by ASABE.

[Entry form for AOC Student Paper Competition](#)

[Division Criteria and Scoring Sheet](#)

2016-2017 AOC Member Achievements



2016 ASABE FELLOW

Dr. Ruihong Zhang
Professor
University of California, Davis

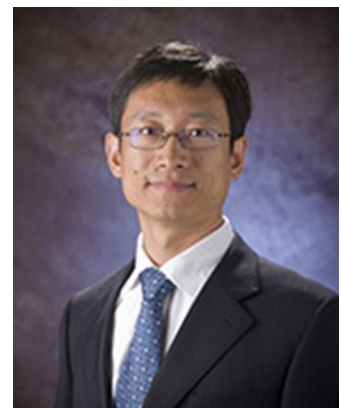


2016 HENRY GIESE STRUCTURES AND ENVIRONMENT AWARD (ASABE)

Dr. Hongwei Xin
Distinguished Professor
Iowa State University

2016 NEW HOLLAND YOUNG RESEARCHER AWARD (ASABE)

Dr. Changying Li
Professor
University of Georgia



Interview with Dr. Jian Shi

Assistant Professor at University of Kentucky

Introduction

Dr. Jian Shi is an Assistant Professor in Biosystems and Agricultural Engineering at University of Kentucky. Shi got his bachelor's degree in metallurgical engineering and worked in China for an IT company producing online educational sites after graduation. The momentum to address the sustainability and environmental challenges prompted him to return to graduate school, and his master's research in China Agricultural University focused on converting corn stover to biofuels. He continued biofuel research and completed his doctoral work in biological engineering with a minor in biotechnology at North Carolina State University.

1. What's your current research and why did you choose this field?

As an engineer by training, with biological, chemical, and analytical expertise, my research goals are to understand and develop new bioprocesses for biofuels and bioproducts by exploring the interfaces between chemistry, engineering and biology. My specific research areas include 1) biomass pretreatment, catalysis, fermentation and product recovery; 2) ionic liquid as solvent, reaction media, catalyst, and material to enable cost effective and efficient cellulose/lignin valorization and other bioprocessing applications; 3) municipal, food and agricultural waste treatment and conversion; 4) upgrading of lignocellulosic biomass for BioAg applications. I am also interested in using system biology tools to analyze food/bioprocessing systems. My lab has several openings for enthusiastic and motivated individuals who are interested in biofuels, bioproducts and bioprocessing research. Please visit our website to check out our research topics and current job vacancies. <https://www.uky.edu/bae/shi-lab>

2. What is the favorite part of your current job and why?

I enjoy working with students and I am happy to see them grow in full potential to achieve their career goals.

3. How did your industry experience benefit your research?

I have very brief industrial working experiences before I started my graduate study and my faculty job. I learned much from these experiences, for example, how to be a good colleague? how to manage time wisely? how to file a patent and protect intellectual property? I also gained knowledge on how to startup a company and sell concepts and ideas to my investors. The experience also help me to shape some of my research ideas.

4. What is the biggest challenge you had in your profession?

The challenging but fun part in my profession is to constantly learn new research directions and build new fundable research ideas.

5. What is your advice to students or postdocs in North America for seeking a faculty positions?

Here are my suggestions: ask yourself whether being a faculty is the career path you truly like and enjoy; plan the career path early to polish your CV and application packages; be aware that research area matters; consult senior faculty members to get their opinions on your credentials; talk to your supervisors to get their help on preparing you; build your network with colleagues in your field; be prepared to take the rough with the smooth; and good luck!

FACULTY POSITION AT COLLEGE OF MECHANICAL AND ELECTRONIC ENGINEERING (CMEE)

NORTHWEST A&F UNIVERSITY

Northwest A&F University (NWAUFU) is a national key university directly under jurisdiction of Ministry of Education of China and supported by its "Project 985" and "Project 211". The University is located in Yangling, Shaanxi, 80 km west of Xi'an, a historic city of China. Yangling is the location of the state-level Agricultural Hi-tech Industries Demonstration Zone.

POSITION: Associate or Full Professor of Agricultural & Biological Engineering

RESPONSIBILITIES: The CMEE is currently seeking applications for 5-6 full-time positions at the Associate or Full Professor level in the area of intelligent agricultural equipment and technology, agricultural information and computer application technology, vehicle design and engineering, and mechanical design theory. The successful candidate is expected to establish a nationally or internationally recognized applied research program that supports development of agricultural engineering disciplines in China. The individual will engage industry, along with local, province, national government or non-government agencies. It is expected that the individual will develop a successful externally-funded and well-documented applied research and teaching program.

SALARY AND COMPENSATION (IN RMB): For distinguished full professors, start-up fund is 3-5M, salary is > 100-600K, with settling-in allowance of 300K, providing an apartment of 150-180 m², and arrangements of spouse's job, depending on qualification and experiences. For associate professors, start-up fund is about 0.3-1M with competitive salary, settling-in allowance of 50-100K, providing an apartment of 140 m², and possible arrangements of spouse's job. Both apartment properties will be owned by individuals after working for 10 years.

CLOSING DATE FOR APPLICATIONS: Review of applications will begin March 1, 2017 and continue until the positions are filled.

APPLICATION MATERIALS: Letter of interest, resume, official academic transcripts, five representative papers, and three reference letters. Applications should be submitted electronically to Mrs. Xiaoying Chen at rencaike@nwsuaf.edu.cn.

CONTACT: Dr. Shaojin Wang, Dean, Search Committee Member

Email: shaojinwang@nwsuaf.edu.cn.

西北农林科技大学机电学院 “青年千人计划” 招聘启事

西北农林科技大学是国家“985工程”和“211工程”重点建设高校之一。学校位于中华农耕文明发祥地、国家级农业高新技术产业示范区——陕西杨凌。诚邀海外优秀学子通过我校申报“青年千人计划”。

1、提供待遇

- 1) 聘为三级或四级教授、博士生导师。
- 2) 聘期内在享受与岗位相适应的工资、津贴及相关福利待遇的基础上，享受每年30万元人才津贴，国家和陕西省补助（共计100万元），校内业绩津贴另计。
- 3) 在国家提供100-300万元科研经费的基础上，学校根据工作需要提供科研启动费100-300万元，以及工作需要的实验室和办公条件。
- 4) 提供不少170平方米住房1套，同时，提供安家费40万元。
- 5) 妥善安排配偶工作和子女入学。

2、申报条件

- 1) 从事自然科学领域研究，年龄不超过40周岁。
- 2) 申请人应取得博士学位，并有3年以上海外科研工作经历。
- 3) 申请人申报时一般应未全职在国内工作；已经在国内工作的，回国时间应在一年内。
- 4) 是所从事科研领域同龄人中的拔尖人才，有成为该领域学术或技术带头人的发展潜力。对博士在读期间已取得突出研究成果的应届毕业生，或其他有突出成绩的申报人，可以突破年龄、任职年限等限制，破格申报。

3、申报程序

- 1) 申请者提供如下材料：个人详细简历1份；研究业绩综述1份；发表论著清单及近五年5篇代表论著全文扫描件或复印件；科研项目、获奖及专利情况等资料的扫描件或复印件；最高学历、学位证书扫描件或复印件；3封专家推荐信。
- 2) 学校对申报材料进行初审，初审合格者在申报期内，学校会同学院协助通过网上申报系统进行填报。（注：“青年千人计划”项目的申报需通过“青年千人计划申报软件”填写并打印，申报期内请登录千人计划网（<http://www.1000plan.org/>）下载软件并仔细阅读操作手册认真填报。
- 3) 学校组织申报。

4、其它说明

凡我校推荐的“青年千人计划”候选人，进入面试环节者，我校将承担其回国答辩期间的国际往返差旅费。为了使人才家庭能够更好地感受和了解我校的工作和生活环境，欢迎人才家属一同前来我校考察。进入面试环节的候选人若最终未能入选，符合陕西省“百人计划”申报条件者，学校将优先推荐；不符合“百人计划”申报条件者，我校可以类似岗位引进。





Graduate Research Assistant in Bioprocess Engineering (Fall 2017&2018)

Graduate Assistantships (Ph.D.) are available for outstanding candidates who are interested in the following research areas:

- Lignin valorization for fuels, chemicals and advanced materials using ionic liquids;
- 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, advanced-membrane technologies for energy production and water purification, and electrochemical energy storage applications (through recent NSF EPSCoR funding, read more at: <http://kynsfepscor.org/>).

Qualifications: The candidates should have:

- An earned B.S. or M.S. in Chemical Engineering, Biosystems/Agricultural Engineering, Environmental Engineering, Biotechnology, Microbiology, or Chemistry.
- Good knowledge of synthetic and analytical chemistry.
- With credentials sufficient for admission into the UK graduate school (GPA>3.0; TOEFL>93 for international students; GRE Test Scores) – Applications must be received by March 15th.
- Ability to formulate and conduct experiments including data collection and analysis.
- Strong oral and written communication skills.

Please send in your CV and 2-page research summary to Dr. Shi (j.shi@uky.edu) if you are interested in applying to this position.

Visiting Scholar/Visiting Student Program in Bioprocess Engineering

We offer opportunities for visiting students/visiting scholars who are interested in one of the following bioprocess engineering area: 1) biomass conversion and fermentation 2) system biology/metabolic engineering 3) bioprocess modeling and life cycle analysis, and 4) synthetic chemistry or biomaterials. Specific research topics may include biomass pretreatment and fractionation using solvent-based catalysis; catalytic or biological valorization of lignin for biofuels and chemicals; products separation and recovery using advanced-membrane technologies; cellulose and lignin based bioproducts and biomaterials.



Graduate Assistant Position in Agricultural and Biological Engineering

Position Summary

Department of Agricultural and Biological Engineering at Mississippi State University (MSU) is seeking a highly self-motivated graduate student assistant who is interested in precision and intelligent animal production. The individual will be supervised by MSU faculties and specialists in USDA Agricultural Research Service (USDA-ARS). She/he is expected to engage in multiple research projects that address cutting-edge topics related to environment control and welfare in poultry and livestock production through one or more activities listed below:

- improve existing techniques to relieve animal heat stress;
- engineer novel equipment to improve indoor environment and enhance animal health and production;
- perform intensive environmental and animal behavioral monitoring, and develop algorithms/method for (big) data analysis;
- understand antibiotic-free impact on animal health and production;
- develop intelligent tools for animal husbandry.

The successful candidate needs to take classes and acquire adequate credits within hiring period.

Qualifications

The candidate should have:

- an earned B.S. or M.S. in Agricultural Engineering or closely related degree;
- enthusiasm to work in livestock and poultry production environment;
- experience with programming software/languages (e.g. LabVIEW, VBA, C#, Matlab etc.) which is highly preferred but not a must;
- ability to formulate and conduct experiments including data collection and analysis;
- credentials sufficient for admission into the MSU graduate school and for qualification of assistantship (GPA \geq 3.0; TOEFL \geq 79 for international students; GRE test scores);
- strong oral and written communication skills.

Salary and Benefit

Research assistantship (RA) will be granted.

Contact

Dr. Yang Zhao, yzhao@abe.msstate.edu (email), +1 662-325-7347 (phone).

Graduate Research Assistantship (PhD)

Description

Virginia Tech is currently ranked as a Top 25 Public University by US News & World Report. The Department of Food Science and Technology is one of the best Food Science Programs in the US. Currently, one PhD graduate research assistant position is available at Dr. Haibo Huang's group in the Department of Food Science and Technology at Virginia Tech. The starting time for the student can be August, 2017. The research focus will be on **Bioprocessing Engineering with an Emphasis on Protein Separation from Agricultural Byproducts**.

Successful candidates will:

- a. Conduct experiments to separate proteins and fibers from agricultural byproducts;
- b. Characterize protein properties including molecular size, digestibility, and amino acid profiles;
- c. Conduct fish feeding trials with separated proteins;
- d. Conduct simulation and economic analysis of food and bioprocesses based on experimental data and data from different sources.

Qualification

Required

- a. MS degree in Agricultural and Biological Engineering, Biosystems Engineering, Food Science, Chemical Engineering, or closely related fields;
- b. Self-motivated to work independently and collaboratively;
- c. Good oral and written communication skills;

Preferred but not required

- a. Research experiences in bioseparation of proteins and fibers, or other related bioprocessing engineering;
- a. Research experiences in protein chemistry;
- b. Be capable to handle analytical instruments, such as HPLC and GCMS;
- c. Demonstrated a good publication record;

The selected candidate will receive an annual salary stipend (~\$20,000/yr), full tuition waiver and benefits for 3 years. Interested applications may send their transcripts and curriculum vitae including the names of three references to Dr. Haibo Huang at huang151@vt.edu. For more information, please refer to the Department of Food Science and Technology at Virginia Tech <https://www.fst.vt.edu/>.

Dr. Haibo Huang

Assistant Professor

Department of Food Science and Technology

Virginia Tech, Blacksburg

UPCOMING EVENTS

US Egg Industry Center

April 19-20, 2017

9th Egg Industry Issues Forum

Columbus, Ohio, USA

CIGR

April 22-26, 2017

The XIX CIGR World Congress 2018

Antalya, Turkey

International Society for Horticultural Science

June 18-22, 2017

XII International Controlled and Modified Atmosphere Research Conference – CaMa

Warsaw, Poland

ASABE

July 16-19, 2017

2017 ASABE Annual International Meeting

Spokane, WA

IRCAEW

October 23 - 26, 2017

2017 International Symposium on Animal Environment and Welfare

Chongqing, China

Canadian Society of Bioengineering

August 6-10, 2017

2017 CSBE/SCGAB Annual General Meeting and Technical Conference
Joint meeting with CIGR Section VI: Postharvest Technology and Process Engineering



CANADIAN SOCIETY for
BIOENGINEERING
La SOCIÉTÉ CANADIENNE de
GENIE AGROALIMENTAIRE et
de BIOINGENIERIE

AGM & Technical Conference

(Joint Meeting with
CIGR Section VI
Bioprocesses)

Winnipeg, MB
Canad Inns Polo Park

August 6-10, 2017



Esplanade Riel, Winnipeg, MB

“FOOD, FUEL, AND FIBRE FOR A SUSTAINABLE FUTURE”

CALL FOR ABSTRACTS

Abstracts Due:	February 1, 2017	Online Registration Opens:	April 1, 2017
Notice of Acceptance:	March 31, 2017	Early Bird Registration Ends:	June 15, 2017
Paper Submission:	July 21, 2017	Online Registration Closes:	July 14, 2017
		Deadline for Hotel Reservations:	July 1, 2017

Abstracts may be submitted in any of the following areas:

- Postharvest handling, packaging, and transportation
- Drying, cooling and related preservation methods
- Quality, safety and traceability of bioproducts
- Bioprocessing and value-addition
- Sustainability of food and other biomaterials
- Non-destructive sensors, sensing technologies, automation of processes
- Storage, and product quality loss, relationships to environmental conditions
- Decision-aid tools, simulation and modeling of bioprocesses
- Innovative and emerging bioprocessing technologies
- Process management and optimization
- Biomass to bioenergy conversion processes
- Biological wastewater treatment and waste management
- Agricultural machinery and innovation
- Alternative bio-based building materials
- Animal housing and air quality management
- Innovations in greenhouse technologies and northern food production
- Irrigation and drainage technologies
- Human-machinery interface for agricultural applications
- Fibre processing and innovation
- Renewable biomaterials and bioplastics
- Composite materials and applications
- Any emerging area in biosystems and bioprocess engineering

Abstract Submission: <https://www.conftool.com/csbe-scgab2017/>

Conference Website: www.csbe-scgab.ca/winnipeg2017

2017 International Symposium on Animal Environment and Welfare

October 23 - 26, 2017 Chongqing, China

Theme Areas

The symposium will focus on the following theme areas (in no particular order):

1. Animal Behavior, Well-being and Health

- a. Automated measurement/tracking of animal behaviors and/or well-being
- b. Animal response to different production systems and/or management practices
- c. Impact of physical environment, such as sound, lighting, gases, thermal environment and/or their synergistic effects
- d. Objective and non-invasive assessment of animal well-being and/or health

2. Environmental Monitoring, Assessment and Control

- a. Heat and moisture production rates
- b. Heat stress abatement and thermal indexes to better assess effective environment
- c. Indoor air quality, emissions and abatement techniques
- d. Innovative ventilation system design and technologies
- e. Application of computational fluid dynamics (CFD) in animal environment design and studies
- f. Impact of lighting on animal performance and production efficiency
- g. Real-time sensors for enhanced environmental control

3. Biosecurity and Disease Control/Management

- a. Current biosecurity practices in different countries
- b. Animal diseases and environmental stimuli
- c. Managing disease outbreaks
- d. Environment-friendly disposal of animal mortalities
- e. Humane euthanasia and swift mass depopulation of infected animals

4. Manure Management and Utilization to Reduce Environmental Impact

- a. Manure management/treatment/handling technologies
- b. Manure land application and nutrient management planning
- c. Advances in manure anaerobic digestion systems
- d. Alternative manure utilization systems
- e. Control of odor and gaseous emissions from manure composting or storage

5. Production Systems, Equipment and Techniques

- a. Alternative production systems and performance
- b. Dimensions of modern animal farms for improved housing design
- c. New, innovative housing and husbandry equipment and techniques

Important dates

- Deadline for abstract submission: **March 31, 2017**
- Notification of abstract acceptance: **April 20, 2017**
- Deadline for initial full paper submission: **June 30, 2017**
- Reviews back to corresponding author: **August 20, 2017**

Deadline for Abstract Submission: **March 31, 2017**
<http://isaew2017.csp.escience.cn/dct/page/1>

International Doctoral Students Conference

Zhejiang University

1. Theme

Communication, Inspiration, Innovation and Common Progress: Opportunities and Challenges Arises

2. Date and Location:

Date: May 22- May 25, 2017

Location: Zhejiang University, Hangzhou, China

3. Host

Graduate School of Zhejiang University , International Relations Office of Zhejiang University, Doctoral Students Union of Zhejiang University

4. Target Participants

Doctoral candidates from the world's top universities, colleges, scientific institutes and laboratories.

5. Paper Submission

Research presentations shall be arranged according to five sub-themes: technological reform, information technology, modern agriculture, medical treatment and health care, as well as innovation and development.

6. Requirements of Paper Submission

(1) All papers shall be submitted to zjudsc120@126.com

(2) The deadline of paper submission is February 28, 2017.

(3) If you have any questions regarding to submission, please email the ZJU Organizing Committee at zjudsc120@126.com.

7. Awards

This conference establishes several prizes including **Best Paper Award** and **Best Presentation Award**.

8. Contact

Graduate School of Zhejiang University

Lusha Wang: 0571-88981402(Tel)

Doctoral Students Union of Zhejiang Univeisuty

Huang Wang: +86 18867136986 (Cell)

Submission email address: zjudsc120@126.com



Please visit http://grs.zju.edu.cn/redirect.php?catalog_id=16313&object_id=112093&from=timeline&isappinstalled=0 for full submission requirements.



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The 2016-2017 IMPACT editorial Board invites you earnestly to submit of 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!

