

IMPACT

President's Message

Dear AOC Members,

I would like to take this occasion to first greet you all with a best luck in the year of dog. I am very thankful to all board members for working hard to keep our business running. In the past weeks, with the help of the President-Elect Dr. Hong Li and Vice-President Dr. Jian Shi, the tentative program about our exchange forum, business meeting and award banquet have been sent to ASABE. It will be probably scheduled on Tuesday (July 31, 2018) rather than on Monday as in the past years, due to the limit of room availability.



Besides those three key events which AOC holds every year at the ASABE meeting, I would like to draw your attention to our fellow, award, and competition programs. Your nomination is greatly appreciated to recognize the excellence of our members. The first is our AOCABFE Fellow Program. This program honors outstanding members with more than 10 years of membership and the number elected in each year should be less than 2% of members. There are Distinguished Career Award, Outstanding Service Award and Early Career Award for members, and For graduate students, Graduate Leadership and Service Award, and Graduate Scholarly Achievement Award, as well as presentation competition and paper competition. Please extract detailed information about the timeline of those award from our IMPACT Newsletter. Each of the student awardee will be recognized at our award banquet with a certificate and cash prize. Every student is more than welcome to participate those competition.

Our website is updated and welcome to visit and comment: http://aocabfe.com/. Thanks much and look forward to seeing you in Detroit.

Yours Sincerely,
Zhiming Qi
AOCABFE President

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AOC 2017-2018 Executive Board



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Yanbo HuangUSDA ARS,
Past President



Hong LiUniversity of Delaware
President-Elect



Jian Shi
University of Kentucky
Vice President
Web Manager



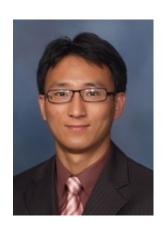
Naiqian Zhang Kansas State University, Student Advisor



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



Liping ChenNERCITA., CHINA, Institutional Membership



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



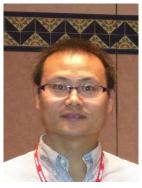
Liangcheng Yang
Illinois State University Member-at-Large
Membership Development



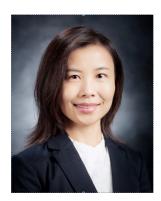
Yeyin Shi University of Nebraska-Lincoln, Member-at-large Secretary



Yang Zhao Mississippi State University Member-at-large, Liaison



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



Sarah Wu University of Idaho Member-at-large Liaison



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Professional Development



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University of Illinois at Urbana-Champaign
SAC Chair



Jie WuWashington State University
SAC Vice Chair



Mengyun Zhang
University of Georgia
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
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 Agri- cultural 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
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Call for Nomination - AOC Fellow

It is time again to nominate your colleagues to the Distinguished AOC Fellow. Nominations should be submitted to Dr. Hong Li – hli@udel.edu by June 1, 2018. Here is the instructions for submitting a Fellow nomination. More information about AOC Fellow can be found here: http://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: <u>AOC-Fellow-Nomination-Form</u>). The maximum length of the completed Nomination Form is four pages (10 pt. or larger font).
- **Five letters of support**. Please follow the instructions described below.

The Nomination Form and letters of support are to be converted into PDF files and submitted to AOCAB-FE executive board through email to the attention of Dr. Hong Li – hli@udel.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 1st, 2018.

Call for Nomination

2018 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. Yanbo Huang** — Yanbo.Huang@ARS.USDA.GOV by June 1, 2018.

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 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, 2018. 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 2018 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

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 2018 nomination is July 1, 2018. 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 2018 ASABE AIM. The nomination should be sent to Professor Naiqian Zhang no later than July 1, 2018.

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.

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 <u>Dr. Naiqian Zhang</u> of Kansas State University no later than June 10, 2018. You can find

Student Paper

Competition Award

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 2018 ASABE AIM. Therefore, your paper must have a number assigned by ASABE.

Student Research Presentation Award

This is an invitation to submit oral presentation to 2018 AOC Student Research Presentation Competition Program. The First, Second, and Third place will receive \$200, \$150, and \$100 cash award, respectively, and will be recognized at the AOC banquet. The number of awardees (two or three) will depend on the total number of entries. AOC hopes that awardees can benefit from the award for their professional development.

To be eligible for this program:

- ⇒ Each entry for the competition will be limited to one paper (ASABE conference paper for 2018 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.

AOC statement of logo change

The Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOCABFE) released its new logo (Figure 1) on July 17th, 2017 during its business meeting at Spokane, Washington. This change of logo had been under discussion for almost a year after the last business meeting in 2016, in conjunction with the preparation of significant updating of AOC website. On the board meeting on Aug 19th, 2016, board members approved the change of old AOC logo. Soon afterwards, Dr. Yanbo Huang and Dr. Jian Shi started to collect opinions, suggestions and design ideas for logo changing among board members. On Jan 20th, 2017, Dr. Yanbo Huang and Dr. Jian Shi proposed to hire professional logo designer to help with the work and the board approved the plan. On April 10th, 2017, three final designs were published among board members for opinions collected electronically and they were also discussed in the board meeting on May 26th, 2017. The current new logo was selected and approved by all board members on May 26th, 2017.



Figure 1. New logo of AOCABFE

(A nexus of agricultural, biological, and food engineering disciplines)

AOC Board Meeting Minutes

Time: 3:00-4:40 pm, October 20th, 2017.

Host: Zhiming Qi

Attendees: Lilong Chai, Yanbo Huang, Wenqi Li, Jiangong Li, Zifei Liu, Yeyin Shi, Xiao Wu,

Liangcheng Yang, Yang Zhao

Scribe: Yeyin Shi

1. Meeting agenda was approved by all attendees. No addition topic added.

- 2. All attendees approved that the minutes of 2017 AOC Business Meeting will be held and approved in 2018 AOC Business Meeting next year. So, it will not be included in the next newsletter.
- 3. Yanbo and Zhiming summarized the 2017 AOC business meeting, banquet and China exchange Forum. Highlights were the approval of new by-laws, retirements of three board members, a successful banquet with invited guests; less attendees in the China Exchange Forum. The attendees discussed possibilities to improve the forum attendance, including better advertisement, setting feature topics each year.
- 4. Wenqi reported recent updates for the website: some updates already made according last meeting; Zhejiang Agricultural University information has been updated; 2017 AOC business meeting and banquet pictures has been updated. Zhiming: board members also need to be updated. Wenqi: needs update information including pictures of new members. Lilong will send Wenqi relevant information later.
- 5. Liangcheng updated the membership situation. 58 members by May 2017. Problem raised about the membership fee issue. Currently the membership fee is paid at the same time with ASABE membership fee. But people may not know how to pay the annual membership fee.
- 6. Clarification on board member responsibilities:
 - 1) Newsletter: Lilong
 - 2) Institutional membership development: Liping Chen and Yanbo Huang. Zhiming will send an email to Liping to get her consent of continuing serving this position.
 - 3) Foundation: used to be Yubin Lan; not sure what to do now; difficult job
 - 4) Professional development: Haibo Huang
 - 5) Relationship development: Zhao Yang and Xiao Wu; relate to item 7 about the plans for this term
 - 6) SAC (student activity committee): Jiangong Li.

Jiangong also reported the SAC activities so far, including establishing WeChat account which got lots of interests and reads during the 2017 ASABE conference. He also mentioned the issue that the board members currently are too many (17 members) and need to be reduced. He also wondered the plans for SAC in the next years. Other attendees thought SAC is independent and has the flexibility to conduct activities they are interested in with the support by the AOC board. Attendees agree to discuss about this in the future.

- 7. Attendees brainstormed about plans for this term. Zhiming was wondering if we can organize or co-organize symposium with members in China. Yanbo agreed and reiterate the idea to help bridging ASABE with universities in China for symposium and other universities. Yang was wondering how we can get funding for that. Yanbo mentioned the possibilities of applying workshop to federal funding agencies.
- 8. At the last, attendees had a discussion on the new logo issue raised by Zhongli Pan on the 2017 AOC business meeting. The current new logo was open for opinion to the previous AOC board members before being approved by the board; however, it was not open to the whole AOC community. Yanbo carefully checked the old and new AOC by-law but did not find any rule about the approval process for editing logo. The attendees agreed that this can be something to add in the by-law in the future.
- 9. we did get the opinions from the board members but not the whole AOC community. They also agreed to have a letter to the whole AOC community to inform the change of logo.

Follow-up / action items:

- Lilong needs information of Hong Li (president elect), Jiangong Li from UIUC to add in the newsletter; also, student activity updates; today's minutes can be prepared by Yeyin soon and used by the Newsletter
- Improve the China Exchange Forum attendance, including better advertisement, setting feature topics each year, etc. (Jian Shi)
- ♦ Lilong will send Wengi pictures of new members later for he to update the website.
- ♦ Better way to pay membership fee.
- ♦ Plans for this term, such as organize or co-organize symposium in China.
- Plans for SAC in the next years. SAC is independent and has the flexibility to conduct activities they are interested in with the support by the AOC board.
- ♦ Plans for this term, such as organizing or co-organizing symposium with members in China, help bridging ASABE with universities in China for symposium and other universities. Where to get funding for that? Possibilities of applying workshop to federal funding agencies?
- Draft a statement and publish to whole community to inform the using of new logo. (Yeyin Shi, Lilong)

SAC Meeting Minutes

Time: 8:00PM CDT, November 4th, 2017

Attendees: Jiangong Li, Mengyun Zhang, Jie Xu, Congyu Hou, Zongmei Gao, Yuzhen Lu,

Enshi Liu

1. Call for meeting.

2. Update:

- ♦ Chair: Jiangong Li
- ♦ Vice Chair: Mengyun Zhang; Jie Xu
- ♦ Technology Director: Congyu Hou
- ♦ Academic Director: Zongmei Gao
- Activity Director: Yuzhen Lu; Jingyao Gai
- ⋄ Foundation Director: Enshi Liu

3. Propose SAC activities.

Focus on Online community development.

Hold group topic discussion and experience sharing.

Publish some useful techniques to graduate students, s.t recent conference and forum, paper writing and development, techniques for career fair, presentation....

Invite articles about the policies and activities related to the students in this major.

4. Others (duty and future work plan)

Mengyun will collect the photos and instructions of SAC Board members for AOC website.

Operation and maintenance of WeChat Public Platform.

Publish useful information for graduate students.

Schedule for group topic discussion.



农业工程开拓者 教育园地耕耘人 ——崔引安教授诞辰100周年

Original article: http://mp.weixin.qq.com/s/5sRxBSX0ZhK4j2jp-zI5kQ

崔引安(1917-2007),农业工程学家,教育家。中国高等院校现代农业生物环境工程学科的主要创始人。也是创建中国高等院校农业工程专业、拖拉机设计制造专业、农业机械设计与制造专业的主要组织者,并创办了中国第一个农业生物环境工程专业的博士点,为中国农业工程事业培养了大批高级教学、科研专门人才。崔引安先生是农业生物环境工程学科的奠基人(农业生物环境工程是农业工程下的二级学科,创建于1981年,从1个硕士学位授予点、1位导师、3名研究生发展到现在,全国已有28个硕士学位授予点、12个博士学位授予点)。如今活跃于农业工程各专业领域的学术带头人、领军人物,很多是他的弟子。



崔引安先生(1917-2007)

20世纪40年代的中国,由于长期战乱,农业不可避免遭受重创。1944年6月,时任联合国粮农组织(FAO)副主席和中国农林部驻美代表的邹秉文先生,莅临美国农业工程师学会年会,发表了"中国需要农业工程"的演说,阐述了中国的国情和发展农业工程的必要性。1945年初,邹秉文先生代表当时中国政府农林部,向美国万国收获公司(International Harvester Company of Chicago)提出了一项旨在引进先进农业生产技术的教育计划。该计划的一项内容就是由万国收获公司,设立收获机奖学金(Harvester Fellowships),全额资助由中国教育部在中国国内公开招考的20名中国大学毕业生,赴美进行为期3年的农业工程专业学习和实践训练。经邹秉文先生与万国收获公司安排,录取的20名中国大学毕业生分两批于1945年5月和8月前往美国。原学机械的10人进入明尼苏达大学(University of Minnesota)农业工程系,原学农的10人进入爱荷华州立大学(Iowa State University)农业工程系。崔先生是留学美国爱荷华州立大学(Iowa State University)农业工程系。崔先生是留学美国爱荷华州立大学(Iowa State University)农业工程系。在爱荷华州立大学期间,两年时间,崔先生先后补修了20余门农业工程专业大学本科课程以及全部研究生课程,以优良成绩修满全部要求的课程的同时,1947年完成了硕士学位论文并通过农业工程专业硕士学位答辩,获得农业工程专业科学硕士学位。

Professor Da-Wen Sun Elected as a Foreign Member of Polish Academy of Sciences

by Agnieszka Wierzbicka

Published in Food and Bioprocess Technology (2018) 11:1

https://doi.org/10.1007/s11947-017-2036-7

Professor **Da-Wen Sun**, UCD Professor of Food and Biosystems Engineering from UCD School of Biosystems and Food Engineering, has been elected as a foreign member of the Polish Academy of Sciences (Polish: Polska Akademia Nauk, PAN). The election is the highest lifetime honours bestowed by the Polish government. Professor Sun has been elected on the basis of his exceptional contributions to the development of agricultural and food engineering in Poland, and his extensive research collaborations with Polish scientists.

Founded in 1952, the Polish Academy of Sciences is the most significant scientific institution in Poland with its roots dating back to 1800 when the Warsaw Learned Society was established. Besides its role as a learned society, it also has a strong influence as a scientific advisory body and oversees 79 scientific institutions, employing about 9400 people and spending about a third of the national budget on science. The academy is composed of national and foreign members, who are appointed for life. All members are elected by the general assembly among candidates with the highest scientific achievements and of recognised authority. Membership to PAN is limited to just 350 scientists and engineers. Together, they comprise the governing body of the state scientific institution and a major scientific advisory body both within and outside of Poland.

Professor Sun is a world authority in food engineering research and education. His many scholarly works have become standard reference materials for researchers in the areas of computer viio/hyperspectral imaging, computational fluid dynamics modelling, vacuum cooling, etc. Results of his work have been published in more than 500 peer-reviewed journal papers (Web of Science h-index = 84, SCOPUS h-index = 89) with 38 papers being designated by ESI as highly cited papers.

He is the recipient of numerous awards and honours including election to the Royal Irish Academy in 2010, selection as a Member of Academia Europaea (The Academy of Europe) in 2011, induction as a Fellow of International Academy of Food Science and Technology in 2012 and award as a Fellow of International Academy of Agricultural and Biosystems Engineering in 2016. Among other international recognitions,

Professor Sun was the recipient of the CIGR Fellow Award in 2010, the Freezing Research Award in 2013 from International Association for Food Protection and the IAEF Lifetime Achievement

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Interview with Dr. Sarah Wu

Assistant Professor at University of Idaho

Dr. Sarah Wu joined the Department of Biological Engineering as a tenure-track assistant professor in August 2016. Prior to joining U of I, Dr. Wu has five years of experience working as a postdoc (later promoted to research associate) with the University of Minnesota and two years with the Chemical Engineering Department in Tsinghua University in Beijing, China. Dr. Wu's training was in environmental engineering and biosystems engineering with research experience covering a wide range of topics in advanced technologies to treat various waste wasters and crop production residues for nutrients management and resource recovery. Sarah's research



interests include biological, physical and chemical processes for animal wastes and organic waste treatment and nutrient management with strength in evaluation, research, development, improvement and application of various bioreactors; bioresource recovery, anaerobic digestion and biohydrogen, nutrient cycling to produce value-added products, and bioconversion and bioremediation; and environmental microbiology and biochemistry. Dr. Wu is also developing and evaluating a novel non-thermal plasma system (for which she has an international patent) to convert soybean oil and/or other wasted oils to biodiesel in a much more efficient way than does the conventional transesterification method.

1. What's your educational background and professional experience?

I came to the United States for graduate study after I received my B.S. in Environmental Engineering from Wuhan University of Science and Technology in 2004. I got my M.S. in Biosystems and Agricultural Engineering from the University of Minnesota (UMN) in 2006. In 2009, I obtained my Ph.D. degree in Bioproducts and Biosystems Engineering from UMN. After that I worked as a post-doc and research associate for 7 years, during which I spent two years at Tsinghua University and five years in UMN. In August 2016, I joined the Department of Biological Engineering at University of Idaho as an assistant professor.

2. What inspired you to study abroad and brought you to the current field?

I was inspired to go abroad for graduate school by the fact that United States had well developed technologies in environmental engineering at the time I was in college. I was eager to learn the design and experience in waste management and wastewater treatment in the United States, especially the systems for agricultural and food wastes. After several research projects on waste treatment I realized that these wastes/wastewaters should be recycled for energy production rather than receiving treatment alone, so I decided to expand my research scope from sole wastewater treatment to treatment coupled with value recovery.

3. Could you talk about some interesting facts about your research?

One interesting fact that I wanted to share is about my research work on animal manure. For many of my research projects, such as treatment of various animal wastes, continuous biohydrogen production from swine manure, and anaerobic digestion with different crop residues, I needed to collect animal manure from barns very often and handle 2-3 gallons of manure each day. With time, I became tired of being stink all day from the smelly feedstock for my reactors and was not excited about my research. Until one day, a colleague made a wooden sign carved with "Sarah's Kitchen" and hang it beside my work bench, and he told me my work was actually to cook the manure which would be perfect food for the bacteria to grow and make useful energy and chemical products out of the wastes. This reminds me the original intention of my research and the win-win waste-to-energy benefit behind the smell. Realizing my work is meaningful to the environment and sustainability, I started to feel passionate again. Sometimes we might be bored by the endless sample analysis and data processing, but always keep in mind the meaning of your research and try enjoy it instead of complaining.

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

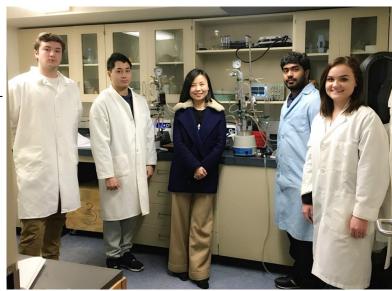
As a female researcher, one of the biggest challenges was to keep high productivity with unavoidable family responsibilities, for instance, being a new mother. During those periods of time, writing would be the least thing to do and try not to leave a big gap on the publication record. Currently, the biggest challenge for me would be to get funding and establishing a sustainable research program. 40% teaching appointment for teaching new courses has left me very limited time for grant writing and lab work. In this situation, collaboration is critical since one cannot do everything only by himor her-self. Collaborating with other researchers and involving in multiple grant applications would increase the possibility to get funded, and involving undergraduate students in my research while I didn't have my own graduate students has helped me keep an active research environment in my lab and also benefit the students for obtaining research experience and improving their creative and critical thinking.

5. Could you provide some suggestions to oversee Chinese students/postdoc who are looking for a faculty position?

I have been involved in a faculty search committee recently for an assistant professor position, from which I learned some facts about the searching process that may be useful for application. Due to very high numbers of applications (80-100:1 recently), the first step of the review process is to short -list the applicants and rule out about 80% of the applications that are not fit or having obvious weakness based on the requirements, the applicants should carefully read the position description and present themselves well on each of the requirements and preferences for the position, because you might be excluded just by not mentioning something in the requirements. Faculty positions usually have different appointment distribution on teaching/research/extension. If the position only requires teaching and research, don't write too much about extension. If very specific research areas are listed, do everything to emphasize your research in that area/topic. Publication record and grant writing/application experience are always the top considerations before the search committee get to talk to you or see you, so don't leave them to the last part of your CV.

Another thing I want to point out is the teaching experience. Lack of teaching experience is a weakness for many Chinese students and postdoc. With heavy research load, it's hard for us to have many opportunities to teach a course, but there are some things we could do. For example, ask around and take every chance to give a guest lecture for your advisor or colleagues, participate the process of course design and organizing course content, get familiar with the curriculum of your department and think about the possible improvement and, of course, make sure you present these experience and thoughts in your application.

The last suggestion I would give is to increase communication with other researchers and actively build your own network and connections for possible collaboration in the future. The search committee will try hard to look for your potential to build interdisciplinary collaboration which is a key for successful grant application.





COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

Department: Food, Agricultural and Biological Engineering and Animal Sciences

Position: Precision Livestock Production Systems

Rank: Assistant Professor

Description

The Ohio State University seeks qualified candidates for a 9 month, tenure-track faculty position available in Wooster starting on Aug. 16, 2018. The position will concentrate on Research and Extension. The successful candidate will conduct engineering sensor technology and/or big data management, analysis, and modeling research in two or more of the following areas: animal well-being and health management, optimization of animal nutrition and production environments, sustainable pasture production systems, food safety and traceability, livestock feed sourcing, and animal waste management. Successful Candidates will develop outreach programming in one or more of the following areas: animal systems modeling, environmental control of confinement housing, data acquisition and instrumentation for biological systems, automation for animal production systems, and microclimatology for agriculture. The successful candidate will be expected to establish a nationally and internationally recognized research program supported by extramural funding. Additional responsibilities include: provide leadership to the profession through state and national professional society participation, and advise graduate and undergraduate students and be involved with co-curricular programs or student clubs and organizations. This position is partially funded by Translational Data Analytics, a focus area of Ohio State's Discovery Themes; a significant faculty hiring investment in key thematic areas in which the university can build on its culture of academic collaboration to make a global impact.

Qualifications

Minimum qualifications include an earned Ph.D. in agricultural engineering, biological engineering or closely allied discipline; and registration as a Professional Engineer or demonstrated eligibility. The candidate must have formal training and experience in three or more of the following areas: data acquisition and signal processing skills; mathematical modeling and simulation languages; geographic information systems; statistical data analysis tools: cloud-based systems for transmitting and storing large, complex data sets; and data and information visualization. The preferred candidate is expected to have an animal sciences background demonstrated via holding academic degrees and/or completing significant coursework or experiences in animal sciences. It is essential that the candidate has excellent speaking and writing skills; ability and desire to work in interdisciplinary, interdepartmental research teams; and teaching. The candidate must establish and conduct a research program resulting in national impacts and high-quality publications. Industry experience is desirable. Preferred Qualifications: Experience developing or working in interdisciplinary research teams, experience in mentoring members of underrepresented Page 19 groups.

About Wooster

The Ohio State University Wooster campus is home to the Ohio Agricultural Research and Development Center (OARDC) and Agricultural Technical Institute (ATI). Wooster is located in northeastern Ohio approximately 50 mi (80 km) SSW of Cleveland and 35 mi (56 km) SW of Akron. The area offers a wide range of affordable housing, many cultural and recreational opportunities, excellent schools, and a strong economy based on education and industry (see http://www.woosteroh.com/). Wooster was recently ranked as No. 6 on the top 10 list of "Best Small Cities in America" by nerdwallet (https://www.nerdwallet.com/blog/studies/best-small-cities-america-2015/#FullRankings).

Application Instructions

Applications accepted through Mar. 15, 2018, or until a suitable candidate is found. Applicants should submit a letter of application, curriculum vita, academic transcripts, a one-page summary of their philosophy of teaching and research, and a statement specifically addressing their experiences in mentoring underrepresented groups. Applicants should provide the names and contact information (address, e-mail, and phone number) of three professional references. All application materials should be sent electronically to:

Dr. Lingying Zhao, Search Committee Chair Food, Agricultural and Biological Engineering The Ohio State University 260A Agricultural Engineering Building 590 Woody Hayes Drive Columbus, OH 43210-1057

Telephone: 614-292-2366 E-mail: zhao.119@osu.edu

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium (HERC).

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.



Biosystems Engineering Department

Ginn College of Engineering - College of Agriculture

Graduate Research Assistant Position Available

One PhD Research Assistant position is available in **Dr. Yi Wang**'s group in the Biosystems Engineering department at Auburn University. The candidate is expected to start from Fall 2018 or Spring 2019. 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

209 Tom Corley Building Auburn, AL 36849-5417

to http://www.eng.auburn.edu/users/yzwoo66/.

Telephone: 334-844-4180

ty is located in the city of Auburn in east-central Alabama near the metropolitan areas of Montgomery and Birmingham, Alabama, and Columbus and At-

FAX: 334-844-3530 lanta, Georgia. U.S. News ranked Auburn among its top ten list of best places

Auburn University is a research-oriented land-grant institution. The Universi-

to live in United States for the year 2010.

www.auburn.edu/bio

You can find more information about Auburn University at:

https://en.wikipedia.org/wiki/Auburn University

浙江大学生工食品学院汪开英课题组博士后招聘启事

浙江大学农业工程学科汪开英课题组因工作需要,现诚招聘博士后1-2名。课题组主要从事农业空气污染排放机理、影响评估、扩散模拟和控制技术等,以及智慧畜牧工程技术(畜禽行为生理无损检测技术、畜禽舍环境CFD模拟和精准调控技术、畜禽舍节能评估等)方面的研究。本课题组依托农业部设施农业装备与信息化重点实验室。

一、招聘条件及要求

- 1. 在国内外知名高校或研究院所取得农业与生物系统工程(农业工程)、动物科学、环境科学、机电工程等相关专业博士学位。
- 2. 具备较强的科研创新能力、独立思考能力、团队协作精神,有流利的英语写作表达能力,在 SCI期刊曾以第一作者(或第二作者,导师为第一作者)发表2篇及以上SCI高水平学术论文。

二、个人待遇及职业

- 1. 世界排名前100名高校毕业的博士20万以上/年,海外知名高校、国家"双一流"建设的高校或学科毕业的博士15万以上/年,其它博士10万以上/年。
 - 2. 可以租住学校提供的单身或者家庭式博士后公寓。
- 3. 进站连续从事博士后研究工作3年及以上的博士后研究人员,可申报浙江大学高级专业技术职务。
 - 4. 鼓励和支持博士后研究人员出国(境)参加高水平国际学术交流和合作研究。
 - 5. 除上述待遇外, 课题组将视受聘人员工作业绩另发奖励。
 - 三、应聘者须提供以下材料
 - 1、个人简历(包括教育背景、工作经历);
 - 2、已发表论文全文及其它证明本人能力与科研经历的相关材料;
 - 3、二位推荐人的推荐信(附联系方式)。

四、联系方式



招聘将坚持公开、公平、竞争、择优的原则,符合要求者,将尽快安排面试。应聘材料将予以保密。应聘者请将材料发送至: z juwky@z ju. edu. cn, 主题请注明"博士后应聘"。

西北农林科技大学美国、加拿大海外人才招聘会预告

2018年3月28日-4月5日

西北农林科技大学将赴美国、加拿大举办海外人才专场招聘会

西北农林科技大学是教育部直属全国重点大学,现为国家"985工程"和"211工程"重点建设高校, 首批入选国家"世界一流大学和一流学科"建设高校名单,地处著名的中国农科城--陕西杨凌。





学校是中国农林水学科最为齐备的高等院校,共设有25个学院(系、部、所)和研究生院,有7个国家重点学科和2个国家重点(培育)学科;农业科学居US.NEWS学科排名全球第18位。农业科学学科领域进入ES l全球学科排名前1%之列,农业科学、植物学与动物学、工程学、环境科学与生态学、化学、生物学与生物化学等6个学科领域进入ESI全球学科排名前1%之列。



学校始终瞄准国际科技前沿,紧密围绕国家战略需求和区域发展需要,积极开展面向农业生产实际的应用基础研究和应用技术研究,在动植物育种、植物保护、农业生物技术、旱区农业与节水技术、黄土高原水土流失综合治理等研究领域形成鲜明特色和优势,已成为农林水高层次人才培养、科学研究和成果转化的重要基地。

一招聘会时间及地点

第一场:时间:2018年3月29日下午 地点:纽约第二场:时间:2018年3月31日全天 地点:波士顿第三场:时间:2018年4月2日全天 地点:旧金山第四场:时间:2018年4月4日下午 地点:温哥华具体地点确定后,第一时间在此公众号公布,敬请关注。



Scan QR Code via W eChat to follow Official Acco unt

二参会方式

意向者请携带个人简历提前抵达会场参会,并将个人简历于3月26日前发送至 rencaike@nwafu.edu.cn。欲提前了解相关情况者,请及时联系我们。

三招聘学科领域

1. 旱区作物与逆境生物学学科群

作物病原菌致病机理与病虫害综合治理、苹果抗逆生物学与新品种选育、小麦抗逆遗传与新品种选育、农业微 生物多样性及环境适应机理。

2.水土保持与生态环境学科群

土壤侵蚀过程与水土保持。全球变化与区域生态系统响应、土壤质量提升与资源持续利用、生态修复与森林培育。

3.农业高效用水与区域水安全学科群

作物耗水过程与调控、节水灌溉技术与装备、旱地农业高效用水技术、区域水安全理论与水土资源管理。

4. 动物生物技术学科群

牛羊基因工程育种、家畜遗传改良、牛羊营养代谢与饲料科学、家畜重大疾病防控。

5.农产品加工与营养健康学科群

葡萄与葡萄酒、果蔬食品制造与质量安全控制、营养健康因子与功能食品。

6.其他相关研究领域

四招聘岗位及申请条件

高端人才

招聘岗位	年龄要求	申请条件
国家"千人计划"特聘专家	55 岁以下	在海外高校(科研院所)担任教授职务或相当职位; 全职来校工作。
国家"千人计划"讲座教授	55 岁以下	在海外高校(科研院所)担任教授职务或相当职位; 每年在校时间不少于2个月。
国家"千人计划"外国专家	65 岁以下	非华裔;其他同国家"千人计划"特聘专家。
国家"千人计划"外专讲座	65 岁以下	非华裔外国专家;其他同"千人计划"讲座教授。
"长江学者"特聘教授	45 岁以下(人文社 科类 55 岁以下)	在教学科研一线工作,应担任高水平大学副教授及以上职位或其他相应职务;全职来校工作。
"长江学者"讲座教授		在海外教学科研一线工作,应担任高水平大学教授及以上职位或其他相应职务;每年来校工作时间不少于 2 个月。
省"千人计划"特聘专家	55 岁以下	在海外高校(科研机构)担任相当于副教授及以上职务;全职来校工作。
校特聘教授	45 岁以下(人文社 科类 50 岁以下)	在海外高校(科研机构)担任助理教授及以上职务或相当职位;全职来校工作。
校讲座教授	同"长江学者"讲 座教授	同"长江学者"讲座教授

青年英才

招聘岗位	年龄要求	申请条件	
国家青年千人计划	从事自然科学领域研究,获博士学位;并有3 海外科研工作经历;取得突出的科研成果。海 在读期间取得突出成果或其他具有突出成绩的 可破格申报。		
青年长江学者	38 岁以下(人文社科类 45 岁以下)	获博士学位,在教学科研一线工作;取得创新性科研成果;聘期内全职来校工作。	
省"青年千人计划"	自然科学类男 40 岁以 下,女 42 岁以下;社会 科学类 45 岁以下	获博士学位,为所从事科研领域同龄人中的拔尖人 才;引进后须全职在校工作6年以上。	
校杰出青年英才	40 岁以下	获博士学位,具有 3 年以上海外科研工作经历; 具有发展潜力。	
校优秀青年英才	35 岁以下	获博士学位,具有 2 年及以上博士后工作经历; 具有发展潜力。	

五 相关待遇

高端人才	类别	职称	科研启动费	生活待遇及其他
	特聘专家	二级教授, 博导	不少于 1000 万元	协助组建团队;年薪 100 万元(税前);300 平 米住房,工作十年产权归本人;50 万安家费。
千人计划	讲座教授 (外专讲 座)		研究条件纳入指定 合作对象研究平台	每月工作津贴 10 万元(税前);在校工作期间,免费提供公寓式住房。
	外国特聘 专家	二级教授, 博导	不少于 1000 万元	年薪 100 万元(税前);免费提供公寓式住房; 50 万元生活补贴。
长江学者	特聘教授	二级教授,博导	自然科学类 500 万元; 人文社科类	岗位工资、津贴+50 万元津贴(税前)+国家补助 20 万元+业绩津贴;300 平米住房,工作十年产权归本人;50 万元安家费。
讲	讲座教授		研究条件纳入指定 合作对象研究平台	每月工作津贴 5 万元(税前);在校工作期间, 免费提供公寓式住房
省"千人计划"	特聘专家	教授,博导	自然科学类不少于 100 万元;人文社 科类不少于 50 万 元	岗位王资、津贴+省上补助+业绩津贴;不少于 140 平米住房,工作十年产权归本人;不少于 20 万元安家费。
	讲座教授			陕西省补助+学校工作津贴;在校工作期间,免 费提供公寓式住房
校特聘孝	 対授	三级教授,		年薪 40-80 万(税前)+业绩津贴;不少于 170平米住房,工作十年产权归本人;40 万元安家费
校讲座教授			每年 10-40 万元,包干使用,主要用于工作津贴、旅费及工作经费;在校工作期间,免费提供公寓式住房一套。	

注: 全职来校工作的高端人才均妥善解决配偶工作及子女入学。

人才类别	职称	科研启动费	生活待遇
国家"青年千人计划"入选者	教授、博导	国家提供 100-300 万元,学 校 1:1 配套	岗位工资、津贴+聘期内每年 30 万元人 才津贴(税前)+国家及陕西省补助 110 万元+业绩津贴;住房不少于 170 平米住房,工作十年产权归本人;40 万元安家费。
青年长江学者	教授、博导	学校提供 100-300 万元	岗位工资、津贴+聘期内每年 30 万元人 才津贴(税前)+国家及陕西省补助 90 万元+业绩津贴;不少于 170 平米住房, 工作十年产权归本人;40 万元安家费。
省"青年千人"	教授/副教授,博导/ 硕导	陕西省 30-100 万元+学校配 套	岗位工资、津贴+陕西省补助 60 万元+业 绩津贴;不少于 140 平米住房,工作十 年产权归本人;不少于 20 万元安家费。
校杰出青年英才	教授,博导	自然科学类 100-200 万元; 人文社科类 50-100 万元	岗位工资、津贴+聘期内每年人才津贴 5 万元+业绩津贴;其他同省"青年千 人"。
校优秀青年英才	教授/副教授,博导/ 硕导	自然科学类 30-100 万元; 人文社科类 20-50 万元	岗位工资、津贴+聘期内每年人才津贴3万元+业绩津贴;不少于140平米住房,工作十年产权归本人;10万元安家费。

注: 以上青年英才,来校工作均妥善解决配偶工作及子女入学。

六 有关情况说明

- 进入面试环节者,为使家人提前感受和了解我校的工作和生活环境,欢迎人才家属一同来校考察,考察期间,学校提供食宿。
- 2. 对应聘"千人计划"、"长江学者奖励计划"、校特聘教授的意向人员,学校审核通过后,可提供1次来校考察交流的国际往返旅费。同时,也将指派专人按照本年度相关项目申报要求,协助准备申报材料。同时,也将优先推荐申报陕西省"千人计划"。
- 3. 凡依托我校申报国家"青年千人计划"、"青年长江学者",进入会评阶段但最终未入选者,将直接 纳入学校"青年英才引进计划",聘任相应岗位并享受相关待遇。

七 联系方式

联系人:陈老师 刘老师

联系电话: +86-29-87082855

+86-29-87082587(传真)

网址: rcb.nwsuaf.edu.cn邮箱: rencaike@nwafu.edu.cn



乔治亚大学博士后招聘启事

Postdoc Position:

Development of a web-based plant phenotyping platform

A postdoctoral scientist position (2+ years) is available in the computational plant science lab. The postdoc will lead the development of the next generation of our web-based root phenotyping platform **DIRT** (dirt.iplantcollaborative.org) as part of an **arpa-e** project.

Requirements for this position includes (1) programming experience in PhP and knowledge of a higher programming language, (2) experience in Linux/Apache environments, (3) Interest and experience in collaborative research, (4) background in computer science, computer engineering, information technology or other relevant background.

The position can start immediately but start date negotiable. We provide competitive salary, benefits, and travel budget. Screening of applicants will begin immediately and applications will be considered until position is filled. Please send an email to bucksch@uga.edu, with a curriculum vitae (CV), a one-page statement of how your research interests are related to this position, and contact information for 3 references.

Desired skills and experience

Preferred qualifications that give the candidate an advantage include (1) experience with high-performance computing systems, (2) practical knowledge of workflow managers and (3) web-frontend development for future extensions of DIRT. The candidate is encouraged to suggest alternative technologies for future development directions in collaboration with plant biologists, algorithm developer and an open community of users and contributors.

About the employer

More information on the group 's research can be found at www.computational-plant-science.org.

The University of Georgia is located in Athens, GA – a vibrant community full of music, arts and history (https://www.visitathensga.com/) as well as close to the Smoky mountains and Atlanta.

The University of Georgia is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability, or protected veteran status.

第四届中国(国际)农业遥感应用技术高峰论坛征文通知 (第一轮)

第四届中国(国际)农业遥感应用技术高峰论坛将于2018年9月下旬在河北省廊坊市举行。

现开始面向国内外征集论文并择优发表在《遥感学报》(EI数据库收录)、《航天返回与遥感》(中文核心)、《Applied Sciences》(SCI数据库收录)等会议合作期刊。

一、主办单位

中国遥感应用协会中国科学院遥感与数字地球研究所北华航天工业学院

二、征文主题

专题一、农业遥感技术与县域应用

农作物播种面积、长势监测和产量建模;

大宗粮油作物农情遥感监测;

农业气象遥感监测:

基于遥感的农业病虫害、灾害监测、评估和减缓;

农业遥感技术在具域中的应用:

专题二、智慧农业

北斗导航与农业遥感应用;

物联网与农业遥感应用:

3S在农业中的系统集成技术及其开发;

专题三、农业遥感产业发展

遥感技术在农产品跟踪、粮食安全中的应用;

遥感技术在农业补贴、农作物保险、农业期货中的应用;

专题四、一带一路与国际农业遥感

一带一路可持续发展与农业遥感:

国际农业遥感技术与应用。

扫描二维码 关注农业遥感平台



微信公众号: ChinaARS

三、投稿说明

1.投稿时间及邮箱

- (1) 论文摘要投稿截止日期为2018年4月30日,同时提供第一作者或通讯作者简介、联系方式及投稿的合作期刊(不支持一稿多投);
 - (2) 论文全文投稿截止日期为 2018年6月30日。
 - 2.投稿论文审稿工作将在会议召开前完成。
 - 3.投稿论文要求未在国内外学术刊物或学术会议上发表。
 - 4.本届会议属非密级。论文文责作者自负,请做好保密审查工作。
 - 5.投稿论文免收审稿费。
- 6.组委会可以将合作期刊录用的论文成果以学术报告、招贴等形式向与会人员进行展示,以促进学术交流。

四、合作期刊

详情见: https://mp.weixin.qq.com/s/TGhZw35nASygstZISJpE6A

五、历届部分报告嘉宾(排名不分先后)

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- 2. 投稿邮箱: ars2018tg@163.com
- 3. 会议通知择期发布。

Openings at University of Kentucky

Graduate Research Assistant in Bioprocess Engineering

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 electrochemical energy storage (through recent NSF EPSCoR RII Track 1 & 2 and USDA-NIFA awards, read more at: http://kynsfepscor.org/).

Qualifications:

The candidates should have:

- An earned B.S. or M.S. in Chemical Engineering, Biological/Agricultural 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 for Fall Admission or by August 15th for Spring Admission.
- 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



Undergraduate Student Interns

We also have openings for <u>undergraduate student interns</u> who are willing to engage in lab research during summer
 (8-10 weeks) or the school year.

Visiting Scholar/Visiting Student Program in Bioprocess Engineering

Department of Biosystems and Agricultural Engineering
University of Kentucky
http://www.uky.edu/bae/

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.

The visit will be hosted in our well-equipped microbiology, chemistry, food and bioprocessing laboratories and office building at the Department of Biosystems and Agricultural Engineering, University of Kentucky, Lexington, KY. University of Kentucky is the flagship university in the state and the 62th ranked public research schools in US. The City of Lexington is renowned for horse racing and its college basketball. The city ranks 61th among largest city in US and is in driving distance to the 28th and 41th largest US metropolitan areas of Cincinnati and Louisville, offering safe, convenient and enjoyable life style.

Applicants may contact:

Dr. Jian Shi

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Phone: 859-218-4321 Email: j.shi@uky.edu



Upcoming events

10TH Egg Industry Issue Forum

Talking Stick Resort, Scottsdale, Arizona

Date: Apr 17–18, 2018

2018 CSBE/SCGAB Annual General Meeting and Technical Conference

Guelph, Ontario, Canada **Date:** July 22-25, 2018

2018 ASABE Annual International Meeting

Cobo Center, Detroit, Michigan USA

Date: July 29 - Aug 1 2018

SEP '1825 - 27

10th International Livestock Environment Symposium (ILES X)

Omaha, Nebraska, USA Date: Sep 25-27, 2018

Global Water Security Conference for Agriculture and Natural Resources

Taj Krishna Hotel in Hyderabad, India

Date: Oct 3-6, 2018

2019 ASABE Annual International Meeting

Boston Marriott Copley Place, Boston, Massachusetts, USA



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征稿启事

