

NEWSLETTER

IMPACT

VOLUME 16 ISSUE 2



PRESIDENT'S MESSAGE



Dear friends, colleagues, and AOC members :

When I began my term as President of our organization, I set out an ambitious agenda for myself and the AOC board during my tenure. To achieve these goals, the AOC board held three board meetings this year, where we discussed that agenda, as well as many other ideas for improving the AOC and ensuring that it has strong and sustainable future development. I also had the honor of speaking with many of you about your thoughts on AOC, and I very much appreciate all of the suggestions and comments I received from each of you. I want AOC to remain the central hub of communications and resources in our community, and I'm very happy to announce that we have met the goals of my agenda and made the following progresses:

(1) Approved the amendments of AOC bylaws, which will be submitted to the AOC annual business meeting for approval; (2) Created an official WeChat account for AOC to announce events and activities, as well as additional WeChat groups for AOC members and AOC board members to facilitate communication in our community; (3) Created a new AOC website with a modern design, new logo, and a mentor forum to provide a platform for senior sci-

entists to advise and help young scientists and students in their career development; and (4) Approved and implemented this year's honor and award programs.

We are looking forward to meet everyone at our annual AOC activities during the 2017 ASABE Annual International Meeting in Spokane, Washington! During the meeting, AOC will host the AOC/NERCITA China Exchange Forum, the AOC annual business meeting, the AOC awards banquet, as well as co-host a special session with the ASABE Global Exchange Program, the African Network, and the Indian Community (AABFEIO). We have been working hard in preparing these activities, and the AOC board and I thoroughly hope everyone will have a wonderful time at our events.

It has been such an honor serving as the President of AOC, especially getting to meet so many of our AOC members, friends, and colleagues. It has been truly fantastic seeing the enthusiasm and passion that so many of you have for AOC, and I look forward to meeting and hearing from more of you during the rest of the year, as we continue to find ways to improve AOC. I am so proud to be a part of this organization and community, and hope you are as well. I deeply appreciate everyone's support of AOC, and hope you will continue to support this wonderful and important organization!

Sincerely,
Yanbo Huang
AOC President (2016-2017)

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2017 AOC BANQUET during ASABE Meeting

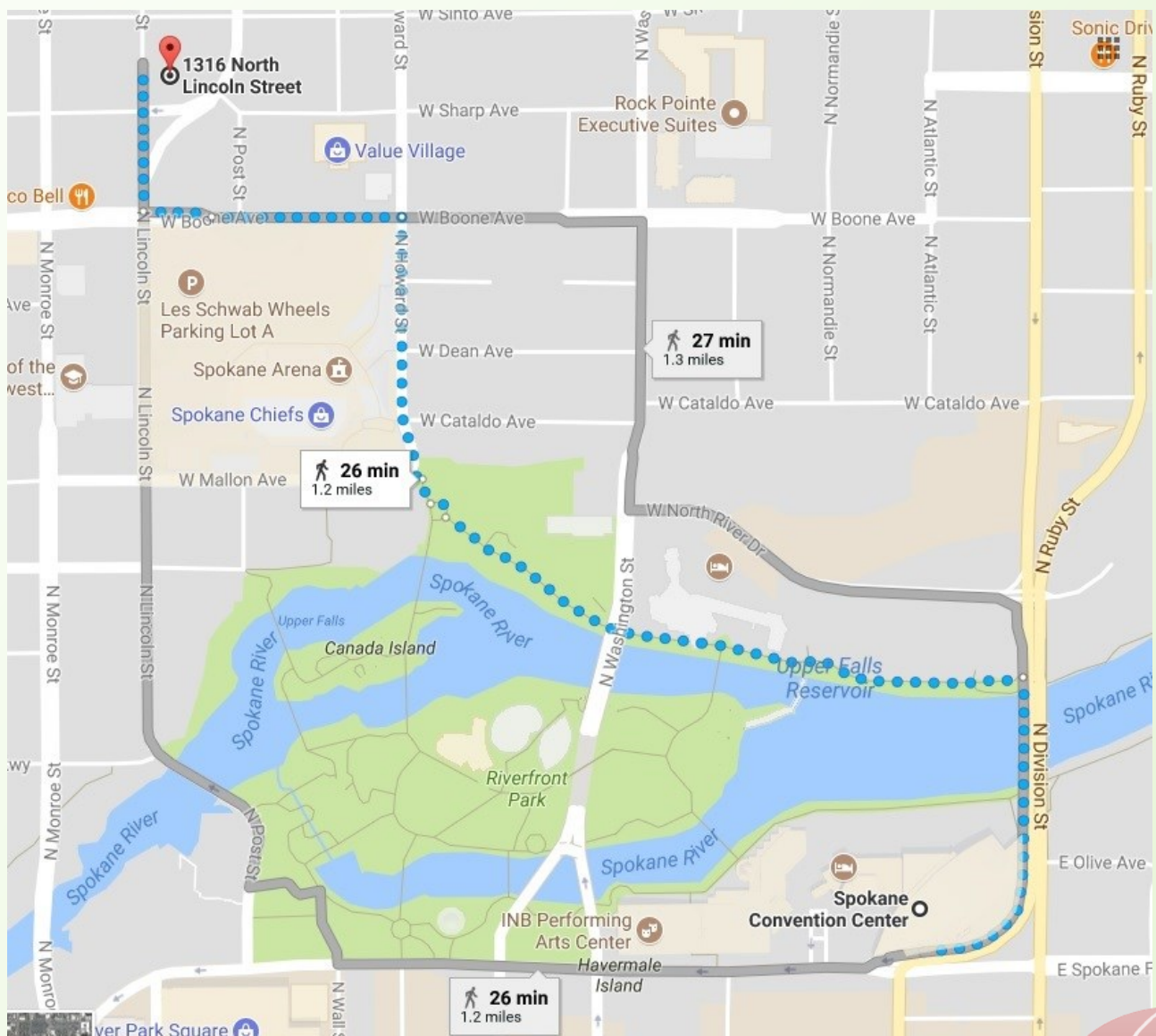
Time: Monday, July 17, 2017. Guest arrival will start at 6:30pm and dinner will open at 7:00 pm.

Location: Red Rock at the Lincoln Center. **Phone:** 509-327-8000.

Address: 1316 North Lincoln St. Spokane, WA 99201.

The distance is 1.2 miles from the Spokane Convention Center to the Lincoln Center, and it may take 26 min to walk or 5 min to drive. The map with walking directions is attached.

Menu: Washington Berry Grilled Salmon- Fresh grilled salmon topped with huckleberry Hollandaise sauce & garnished with fresh huckleberries; Choice Grilled Sirloin- House seasoning & topped with a creamy gorgonzola sauce. Cash bar will be available to buy alcohol on your own.



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



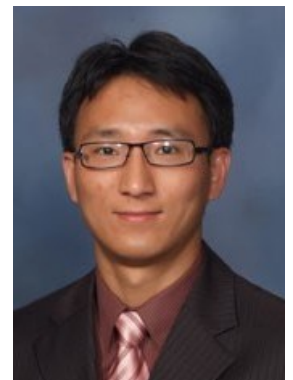
Naiqian Zhang
Kansas State University,
Student Advisor



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

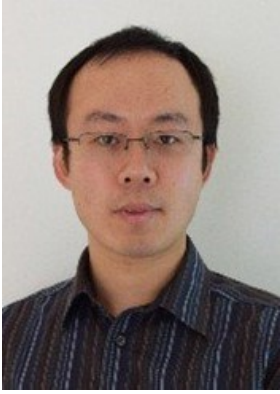


Liping Chen
NERCITA., CHINA, Insti-
tutional Membership



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



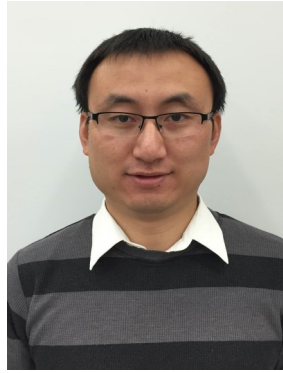
Yongbo Wan

University of Kentucky,
Member at Large
Professional Develop-
ment



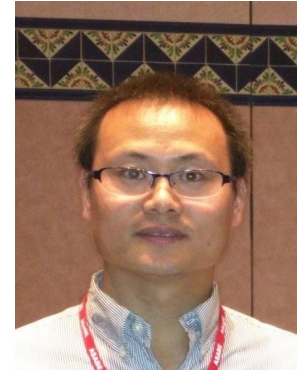
Yeyin Shi

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



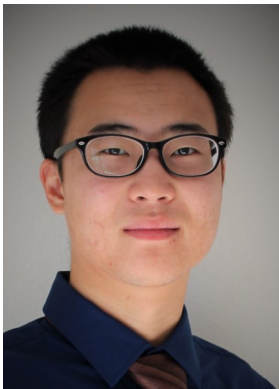
Yang Zhao

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 Uni-
versity, SAC Vice



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 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 Member Meeting

- Time: 2pm CST, 05/26/2017
- Attendees: Yanbo Huang, Zifei Liu, Wenqi Li, Yin Bao, Lie Tang, Zhiming Qi, Jian Jin, Jian Shi, Yeyin Shi, Yang Zhao
- Minutes recorded by Yang Zhao

	Discussion point description	Follow-up action needed	
		Description	Personnel
1	Meeting started at 2:00 pm CST		
2	BOARD MEETING MINUTES: Zifei Liu prepared minutes of 2017 AOC Executive Board Meeting, which will be approved during the meeting at Spokane.	-	-
3	FINANCIAL BALANCE: Huang showed the treasurer report provided by Yufeng Ge.	-	-
4	INSTITUTIONAL MEMBERSHIP – Plaque is needed for new institutional member	Make a new plaque for 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)	Naiqian Zhang
5	FELLOW NOMINATION: Nomination needs to be determined by mid of June 2017. Plaque needs to be made.	Fellow nomination by mid of June. Make plaque.	Zifei Liu
6	STUDENT PRESENTATION AWARD: Liangcheng Yang needs to update on the progress	Need updates	Liangcheng Yang
7	FACULTY AWARD: Lie Tang will send “request for application” to members.	Need application	Lie Tang
8	STUDENT AWARD: Yin Bao will remind student to apply.	Need application	Yin Bao
9	NEW AOC WEBSITE: Jian Shi updated the progress. He extended the deadline for comments to 6/2/2017. Yanbo Huang asked Zhiming Qi to rephrase the words in front page. Pictures in the website need to be replaced. Information of current and past AOC board members need to be included in the website. Yang Zhao indicated the layout/appearance is more like a business website rather than an academic/professional website. Lie Tang recommended adding highlights of institutional members in the front page, e.g. logos and links.	Rephrase words in front page. Replace pictures. Add highlights of institutional members. Add AOC board members in the website. Send more comments to Jian Shi	Jian Shi Zhiming Qi All board members
10	IMPACT: Issue 2 of 2017 will be published in June	Publish IMPACT issue 2 Include banquet information in the IMPACT	Lilong Chai Yin Bao
11	CHINA EXCHANGE FORUM: Zhiming Qi introduced the speakers.	Send presentation information to Lilong and Yin Bao to be included in next IMPACT issue	Zhiming Qi
12	BY-LAW AMENDMENT: Yanbo Huang updated the by-law amendment. Lie Tang suggested specifying member selection of faculty/student award committee in by-law. For faculty award committee, board member recommended involving all current AOC board members and presidents of past 3-5 years.	Yanbo Huang will send amended by-law by the end of June. Yin Bao will draft specifications of member selection on student award committee.	Yanbo Huang Yin Bao
13	AOC PRESIDENT NOMINATION COMMITTEE: Will include president-elect in the committee.	-	-
14	AOC BUINESS MEETING: Yanbo Huang and Zhiming Qi will host the meeting this year.	Zifei Liu will make program and send it to Zhiming Qi and Yanbo Huang	Zifei Liu
15	AOC BANQUET: Zifei Liu proposed the banquet location, price and menu. Guests will receive complimentary tickets. Zhiming Qi recommended inviting ambassadors at Chinese embassy in Washington.	Check the possibility of Chinese catering. Send out invitation letters to guests who will receive free access to the banquet. Contact ambassadors.	Zifei Liu Yanbo Huang Zhiming Qi
16	Adjourn at 4:20 pm CST	-	-



AOC SAC Board Meeting Minutes

Time: 7:30 pm CST, 5/31/2017

Attendees: Yin Bao, Jiangong Li, Jie Xu, Shangpeng Sun, Yu Jiang, Enshi Liu, Yang Liu, Zhenghong Bao, Rui Xu, Mengyun Zhang, Chen Zhang, and Wenqi Li

1. Meeting started at 7:35 pm CST.
2. AOC/SAC Service Certificates will be given to retiring SAC board members—Yin Bao, Yang Liu, Yue Rong, Zhenghong Bao, and Chen Zhang. Yin Bao will give the list of names to Dr. Naiqian Zhang.
3. Volunteers for AOC events on July 17, 2017 are: Yu Jiang, Jie Xu, and Yin Bao for photography at China Exchange forum; Yu Jiang for photography at AOC business meeting; Jiangong Li and Yang Liu for AOC banquet ticketing.
4. SAC banquet on July 18, 2017: we expect 20 attendees for this event. Potential restaurants were discussed. Jie Xu volunteered to contact restaurants and make reservations. Potential transportations are rental car and Uber, in case walking is not a good option. Rui Xu volunteered to design a flyer and take care of printing and posting at the exhibition hall and registration table.
5. AOC student member database: Yin Bao reminded SAC board members to finish collecting information of student members. The new website is currently hosted at <https://aocstudent.yolasite.com/>.
6. Election process of 2017-2018 SAC Chair and Vice Chairs was announced: The election is scheduled to take place on June 3, 2017. Yin Bao will host the election in the SAC WeChat group. Candidates are expected to talk about their strengths and plans to improve the SAC, then SAC board members will cast their votes.
7. Eleven AOC student member have confirmed they will attend the ASABE annual meeting: Yin Bao, Rui Xu, Yu Jiang, Yang Liu, Shangpeng Sun, Jie Xu, Mengyun Zhang, Jingyao Gai, Jiangong Li, Kai Liu, and Hao Gan.
8. WeChat public account: Jiangong Li proposed starting a public WeChat account for AOC to facilitate publication of news, events, and the IMPACT newsletter. He volunteered to create the account.
9. Meeting adjourned at 8:45 pm CST (minutes recorded by Yang Liu).





Dr. Yibin Ying, Professor
President of Zhejiang A & F University, China.
Vice President of Zhejiang University, China.
(2017 AOC Fellow)

Prof. YING Yibin is a Chang-Jiang Scholar and the winner of National Natural Science Funds for Distinguished Young Scholar. He now serves as President of Zhejiang A & F University, China; Vice President and Professor of Zhejiang University; Vice President of the Chinese Society of Agricultural Engineers; Vice President of the Chinese Society of Agricultural Machinery; President of Zhejiang Provincial Society of Agricultural Engineers; Associate Editor of Transactions of the ASABE, Applied Engineering in Agriculture and International Agricultural Engineering Journal; the Vice Chairman of International Journal of Agricultural and Biological Engineering. His research interests and activities focus on the area of nondestructive sensing technology for quality and safety evaluation of agro-produce, and robots for bio-production systems.





**Dr. Hong Li, Assistant Professor
University of Delaware
(Nominated AOC President-Elect)**

Dr. Hong Li is an Assistant Professor in the Animal & Food Sciences Department at the University of Delaware. Dr. Li obtained his B.S. (1998), M.S. (2001) degrees in Ag. Engineering from China Agricultural University, and Ph.D. degree in Ag. Engineering from Iowa State University (2006). Dr. Li's research and teaching activities include assessment of new and innovative technologies to reduce air pollutants from animal feeding operations, and building education and outreach capacity to move animal production towards practices that are environmentally sound, climatically compatible, and economically viable. Dr. Li has joined AOC since 2004 and been served as Member-at-Large from 2013-2015 and vice-president from 2015-2016.



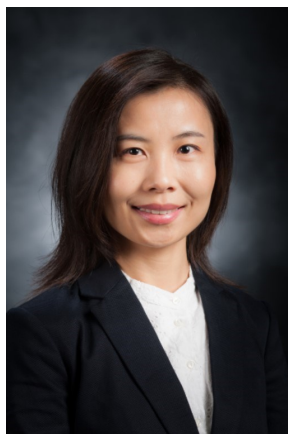


AOC Member-at-Large Candidates: Election Statement



Dr. Haibo Huang

Dr. Haibo Huang is an Assistant Professor at Virginia Tech in the Department of Food Science and Technology. He received his Ph.D. degree at the University of Illinois at Urbana Champaign, Master's degree from the University of Arkansas, and Bachelor's degree from Zhejiang University. His main research area is Food and Bioprocessing engineering, with an emphasis on food and agricultural waste conversion and valorization. Dr. Huang has been a AOC member for 7 years since the ASABE meeting of Pittsburgh in 2010. He enjoys interacting with students, scholars, and professors in the AOC community. As a graduate student and a postdoc research associate, Dr. Huang has benefited a lot from this friendly and warm community. Now, he is willing to be able to join the AOC Board to contribute himself with his passion and experience. He is particularly interested in helping the growth and career development of the next generation of AOC professionals. If selected, he would like to promote communications between faculty members and students, and create ways to retain student members even after they graduate.



Dr. Sarah Wu

My name is Sarah Wu, and I am currently an assistant professor in the department of Biological Engineering at the University of Idaho. It will be my honor to be elected as a board member of the Association of Overseas Chinese Agricultural Biological and Food Engineers (AOCABFE) and I am eager to take an active role and serve the ongoing improvement of AOC. AOC is a strong organization with a mission to support the community of Chinese scholars and students in the field of Agricultural, Biological and Food Engineering in both the United States and China. I'm excited to offer my work experience and talents to help our community adequately plan for the growth and future challenges. I have been a member of ASABE for 10 years and have held many leadership roles over the years. I have served on the board of Student Activity Committee (SAC) of AOC back to 2007-2008 when I was a PhD student in the University of Minnesota. I am the faculty advisor of the ASABE club in the University of Idaho, and I also serve secretary of two technical committees of ASABE (PRS-707 and ES-210). I enjoy community service and know that I have helped and will continue to help improve the development of AOC. I would appreciate your vote for me to serve on the AOC Board.

Events and News about AOC Members

国际工程科技发展战略高端论坛—农业航空技术

2017年4月22—24日，由中国工程院主办，中国工程院农业学部、华南农业大学、北京市农林科学院、国际农业与生物系统工程学会（CIGR）精准农业航空工作委员会联合承办的“国际工程科技发展战略高端论坛—农业航空技术”在北京成功召开。中国工程院田红旗、汪懋华、康绍忠、尹伟伦、孙九林、刘经南、罗锡文、陈温福、南志标、陈学庚、唐华俊、吴孔明、宋宝安等13位院士，美国、加拿大、澳大利亚、德国、法国、英国、韩国、日本、比利时等9个国家的19位特邀专家，国内来自22所高校、23所研究院所、34家农业航空企业、10个政府机构、6个学会/协会/联盟的代表，共计300多人出席论坛。本次论坛围绕“加强国际合作交流，促进农业航空创新发展”主题，邀请中国工程院农业学部的汪懋华院士、唐华俊院士、吴孔明院士、陈学庚院士、土木水利与建筑工程学部的刘经南院士，以及华南农业大学李玉彬教授、美国农业部农业科学研究所航空应用小组Bradley K. Fritz高级研究员、法国农业科学院Frederic Baret教授、美国农业部森林服务署施药风险评估组项目主管Harold W. Thistle博士等分别做了11场大会报告。来自澳大利亚昆士兰大学施药与安全中心的Andrew Hewitt教授、加拿大Fred Ramirez博士、日本创新策略推进计划（SIP）项目负责人Noboru Noguchi教授等9位外国专家，中国农业大学、浙江大学、国家农业智能装备技术中心、农业部南京农机化研究所、北大荒通用航空公司、山东瑞达有害生物防控公司、珠海羽人农业航空公司、深圳大疆公司等单位的10位国内专家代表进行了专题报告并研讨。



华南农业大学罗锡文院士主持开幕式



中国农业大学 汪懋华院士做大会报告

新闻来源：<http://news.sciencenet.cn/htmlnews/2017/5/375090.shtm>



Events and News about AOC Members



Dr. Hongwei Xin, a Distinguished Professor and Endowed Professor at Iowa State University (ISU), has been named as the Assistant Dean for Research in the college of Agriculture and Life Sciences at ISU. Dr. Xin's administrative positions also include the Director of Egg Industry Center and Interim Director of the Iowa Nutrient Research Center.

News source: <https://www.morningagclips.com/new-isu-assistant-dean-for-research/>

第一届中美农业环境和生物能源科研与教育合作论坛

第一届中美农业环境和生物能源科研与教育合作论坛于2017年6月7至8日在中国农业大学举行，来自中美两国的专家学者就“养殖环境与气体排放、废弃物处理与资源化利用、可持续发展、中美农业环境与能源科教合作”等进行研讨交流。中国农业大学副校长李召虎出席开幕式并致辞。本次论坛由中国农大和美国俄亥俄州立大学主办，美国伊利诺伊大学、浙江大学、中国农业科学院、北京大学及山东农业科学院协办。来自中国农大，俄亥俄州立大学、美国伊利诺伊大学、美国爱达荷州立大学、美国北卡州立大学、浙江大学、中国农业科学院、北京大学、北京化工大学及山东农业科学院的专家教授参加论坛主题交流。本次论坛为期两天，主要由各主办及协办单位分享交流中美农业环境与农业能源利用现状及创新手段；建立学者间研究、交流平台并成立中美农业环境与能源研究组，共同探讨农业资源节能减排，减少资源浪费，推进生物能源在农业上的利用，缓解社会、经济发展与人类健康的冲突，延缓气候变暖趋势。

中国农大水院李保明教授和美国俄亥俄州立大学食品、农业与生物工程系 Lingying Zhao 教授主持主持论坛开幕式。

新闻来源: http://news.cau.edu.cn/art/2017/6/7/art_10867_518919.html



Events and News about AOC Members

Dr. Da-Wen Sun Has Been Elected President of the International Academy of Agricultural and Biosystems Engineering (iAABE)

Dr. Da-Wen Sun of the UCD School of Biosystems and Food Engineering has become the Founding President of the iAABE. He was also named as a Founding Fellow of iAABE, which is the highest honor in the field of Agricultural and Biosystems Engineering (ABE). The main purpose of the Academy is to identify and recognize outstanding individuals distinguished by their scientific and professional contributions to global ABE. Starting from 2017, a maximum of 20 new Fellows will be elected every two years to the Academy. Dr. Sun has made highly significant contributions to the promotion and progression of global ABE. In the past two decades, he has diligently served in various key positions in CIGR, including as the CIGR president, and significantly promoted global academic collaborations in the field of ABE. He has published more than 400 peer-reviewed journal articles in the areas of computer vision/hyperspectral imaging, computational fluid dynamics modeling, vacuum cooling, etc. Dr. Sun is also the recipient of numerous awards and honors, including being elected to the Royal Irish Academy in 2010, selected as a Member of Academia Europaea in 2011, inducted as a Fellow of International Academy of Food Science and Technology in 2012, and the honor of being recognized as a “Highly Cited Researcher” in 2015 and 2016 by Thomson Reuters.

More details: <http://cigr.org/Governance/academy.php>

(By Xinjie Tong)

中美农业生物环境与信息技术研讨会

6月13日-14日，由浙江大学生物系统工程与食品科学学院、美国伊利诺大学（UIUC）生物与农业工程系、俄亥俄州立大学（OSU）食品、农业与生物工程系联合举办的“中美农业生物环境与信息技术研讨会”在浙江大学举行。美国伊利诺伊大学(UIUC)农业与生物工程系原系主任K C Ting教授、副主任 Yuanhui Zhang教授， Xinlei Wang教授，俄亥俄州立大学食品、农业与生物工程系主任Scott Shearer教授、俄亥俄州立大学公共健康学院Karen Mancl教授、食品、农业与生物工程系Lingying Zhao教授等10位美国专家及我院教师共50人出席了研讨会。Scott Shearer教授、Yuanhui Zhang教授、Jiyoung Lee 副教授、Karen Mancl教授、Xinlei Wang教授、Lingying Zhao教授分别作了《Digital Agricultural for Sustainability》、《An Environment-Enhancing Energy Paradigm --Hydrothermal Processing of Biowaste and Algae into Biofuels with Nutrient Reuse, Wastewater Treatment and Carbon》、《Microbes, Environments and Human Health》、《Treatment of Food Processing Wastewater》、《Sustainable Environmental Management in the U.S. Livestock Industry》、《Measurement, Modeling, and Mitigation of Air Pollutant Emissions from Agricultural Animal Feeding》的学术报告。浙江大学生物系统工程与食品科学学院院长朱松明教授及何勇教授、盛奎川教授、刘德钊研究员、韩志英副教授等就领域的研究情况进行报告及交流。

新闻来源: http://www.caefs.zju.edu.cn/chinese/redir.php?catalog_id=1143&object_id=87159



Young faculty interview: Dr. Liangcheng Yang

Assistant Professor at Illinois State University

Dr. Yang is an Assistant Professor in the department of Health Sciences Environmental Health Program at the Illinois State University. His research interests are in developing anaerobic digestion technology to manage organic wastes and to produce bioenergy, understanding the effects of air pollutants on human health and developing mitigation methods, and recovering nutrients from waste water using waste materials.



1. Could you please introduce a little about your educational background and professional experience?

I completed my B.Sc. degree in Environmental Science in 2005 from Zhejiang University. After that, I worked for two years as an Environmental Engineer on air quality engineering, focusing on flue gas desulfurization in coal-fired power plants. I returned to graduate school in 2007 and later earned a M.Sc. degree in Environmental Engineering from the University of Tennessee in Knoxville. Then in 2009, I moved to the University of Illinois at Urbana-Champaign and received my Ph.D. degree in Agricultural and Biological Engineering in 2013. Afterwards I worked as a post-doctoral researcher for about a year at the Ohio State University. In August 2014, I started working as an Assistant Professor at the Illinois State University.

2. Why did you choose this field?

I guess I always had a passion for environmental protection. Working as an Environmental Engineer from 2005 to 2007 was a life-changing experience for me. I learned a lot of hands-on skills, began to understand some basic engineering principles, but more importantly, I realized that I need to learn more about this field. I continued to pursue my interest in environmental protection during graduate studies, and eventually chose to focus on agriculture-related environmental and energy issues. I found that working on environmental protection is very rewarding and meaningful, as we only have one planet.

3. What is your favorite part of your current job, and why?

I enjoy working with students and making things happen. I am happy to help my students learn and grow to achieve their career goals. It is very fulfilling to know that the students apply the knowledge and skills they learned from me to complete their job duties. One of my research assistants was recognized as the College Outstanding Student Researcher earlier this year. I was very proud of her and myself.



Interview with Dr. Liangcheng Yang (page 2)

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

I am not going to lie—the biggest challenge is to get funding. A successful proposal needs an excellent idea, good writing skills, strong collaboration, and leadership. It takes years of practice to excel in preparing proposals.

5. Comparing with the American students, what are our strengths and weaknesses in the profession and academia? How can we improve ourselves?

We have many well-disciplined, dedicated, and hardworking Chinese students in this field. Our students are doing excellent work and making broad impacts. I would suggest our students to further improve their leadership and communication skills. I recommend that they join the Toastmasters Club, a non-for-profit educational organization that helps members improve their communication, public speaking, and leadership skills. I was a member for several years when I was a graduate student, and I benefited greatly from that experience.

6. What is your advice to AOC students for achieving success in their career?

Perhaps not a surprise, my first advice for students is to do a good job in their courses and research. Try to be open-minded and stay current in the literature, which will bring you good research ideas. My second advice is to have a plan for your career. For example, if you want to be a professor, then get prepared—you want to have several good publications and some teaching and mentoring experiences. The third advice, as I mentioned earlier, is to work on your leadership skills and to be a team player. And last but not least, try to enjoy your life and share your happiness with family and friends.

(By Yanxi Lu)



南京农业机械化研究所 2017年“青年英才计划”人才招聘公告

农业部南京农业机械化研究所地处古城南京钟山风景区南麓，是国务院1957年批准成立的我国最早的农机科研院所之一，是中国农业科学院八大学科集群中农业工程与机械学科集群的主要依托单位之一。在职职工265人，其中研究员20人、高级工程师63人。

在农业部“现代农业产业技术体系建设”中，建有油菜机械功能实验室和花生机械功能实验室，设有油菜、花生、茶叶、麻类等数名科学家岗位。建所以来，共获得各类科研成果1500多项，各类科技奖励220多项，其中国家、部、省级奖励150多项，国家发明和实用新型专利230多项。

研究所未来发展目标：以科学研究为根本，以产业开发为动力，以社会服务为依托，以管理创新为抓手，坚持科学研究、产业开发和服务社会三位一体，优化结构，拓宽领域，立足江苏，面向全国，经过努力，逐步把南京农业机械化研究所建成国家农业工程技术创新中心、国际农业工程技术合作与交流中心、南方农业工程技术产业孵化中心和国家农业工程技术人才培训中心。

一、招聘岗位和应聘条件

本次公开招聘设置4个方面的专业技术岗位，从中招聘若干“青年英才”科研骨干人才。应聘人员需满足以下基本条件和各岗位应聘条件。

（一）基本条件

1. 热爱农业科研事业，具有良好的科学道德，严谨的学术作风，积极向上的团结协作精神。
2. 全职在岗工作。年龄一般不超过40岁，身体健康，国家杰出青年科学基金获得者年龄可放宽到45岁左右。
3. 招聘岗位人员要符合中国农科院“青年英才计划”管理办法中A类、B类、C类、D类不同类型岗位的基本条件。“青年英才计划”人才类别是指：海外杰出青年人才（以下简称A类）、国内优秀青年人才（以下简称B类）、“青年千人计划”人才（以下简称C类）、研究所自筹经费引进海内外优秀青年人才（以下简称D类）。

（二）各岗位研究方向及应聘条件

岗位名称	研究方向	应聘条件
特色经济作物生产装备工程技术中心科研骨干A类或C类	果蔬茶类收获机械	独立主持过课题（项目）研究的全过程并做出显著成绩；在关键环境机械化领域开展了较系统的工作，近两年并以第一作者或通讯作者发表累积影响因子达到5.0的论文，或拥有重大发明专利、掌握关键技术等。
特色经济作物生产装备工程技术中心科研骨干A类或C类	果蔬茶类收获机械	独立主持过课题（项目）研究的全过程并做出显著成绩；在果蔬茶类装备与智能化领域开展了较系统的工作，近两年并以第一作者或通讯作者发表累积影响因子达到5.0的论文，或拥有重大发明专利、掌握关键技术等。
农机化发展与信息研究中心科研骨干C类	机械化技术系统与政策	40岁以下；具有农业经济管理博士学位；在农机化政策、标准或其相关领域开展了较为系统的工作，近两年并以第一作者或通讯作者发表累积影响因子达到5.0的论文。
农机化发展与信息研究中心科研骨干D类	机械化技术系统与政策	40岁以下；具有农业经济管理博士学位；在农业园区规划或其相关领域开展了较为系统的工作，近两年并以第一作者或通讯作者发表累积影响因子达到5.0的论文。



二、聘期待遇和支持经费

(一) 中国农业科学院择优评审通过前

- 1、享受四级及以上专业技术岗位正式职工的工资、福利和医疗待遇；
- 2、提供科研启动费，通过直接划拨或项目的形式进行资助，保障年科研经费不少于100万元，并提供所需的仪器设备等科研条件；
- 3、配备科研助手2-3名，自行配备或所内配备；
- 4、配偶工作可在所内安置，子女就学、落户、医疗、保险等方面给予相应的待遇。

(二) 中国农业科学院择优评审通过后

- 1、享受四级及以上专业技术岗位正式职工的工资、福利和医疗待遇，另外每年提供10万元岗位补助（引进的“国家杰青”享受每年20万元岗位补助）；
- 2、院为入选者提供科研启动费200万元和仪器设备费100万元（引进的“国家杰青”提供科研启动费300万元和仪器设备费300万元）；
- 3、配备科研助手2-3名，自行配备或所内配备；
- 4、院按照100平米住房标准为入选者提供安家费补助（根据南京市上一年度商品房销售均价折算，最高不超过100万元），或优先安排购买院所自建的政策保障性住房；
- 5、配偶工作可在所内安置，子女就学、落户、医疗、保险等方面给予相应的待遇。

三、招聘程序

(一) 资格审查。所人才招聘工作委员会对应聘人才的材料（引进高层次人才申请书和相关证明材料）进行初步审核，并提出审核意见。

(二) 组织考核。所人才工作委员会及同行业所外专家组成的考核小组，对拟聘人才进行评议和面试，并在三级甲等医院进行体检，将建议提交所长办公会审批。

(三) 确定名单。所长办公会讨论确定拟聘人才名单，并公示。

(四) 报院备案。候选人通过招聘评审后，到位工作前将备案材料提交院领导小组办公室进行备案审核。备案材料包括：《中国农业科学院“青年英才计划”候选人备案表》和专家推荐信等相关附件材料。

(五) 签订协议。通过备案审核后，候选人与所签订《中国农业科学院“青年英才计划”管理协议》。明确双方的责任和义务，包括工作目标、科研经费、研究助手、工作和生活条件等。

(六) 择优评审。已备案并签订协议的候选人应在到岗工作1年后参加院统一组织的择优支持评审，并填报《中国农业科学院“青年英才计划”择优支持申请表》。

(七) 确定入选。通过择优支持评审并公示无异议后，报院人才工作领导小组审定，院向审定通过者颁发“青年英才计划”入选证书并提供相应支持。

四、应聘材料

(一) 报名方式。采用网络报名的方式。申请人可以通过电子邮件向农业部[南京农业机械化研究所](#)提交报名材料（请在电子邮件标题上标明“农业部[南京农业机械化研究所](#)高层次人才”字样）。

(二) 申报材料

- 1、《农业部[南京农业机械化研究所](#)引进高层次人才申请书》（一式两份）；
- 2、申请人的身份证明(身份证、护照)、学历(学位)证书、职称、资质证明(证书)、在原单位担任重要岗位职务的证明和其他有关工作经历、资历的证明材料的复印件；
- 3、至少两封国内外相关领域专家推荐信；
- 4、专利等知识产权证书及所属权证明。反映人才能力、业绩的其他相关证明材料。

五、联系方式

联系单位：农业部[南京农业机械化研究所](#)综合管理处

联系人：肖体琼、赵 闰

联系电话：025-84346207、84346208

传 真：025-84432672

E-mail:nriamrun@163.com

联系地址：江苏省南京市玄武区中山门外柳营100号

邮政编码：210014

六、其他事项

请用中文详细填写有关申请材料，外文证明材料需同时提供中文翻译件，请提供有关证明材料的扫描件。





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.





MISSISSIPPI STATE UNIVERSITY™

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≥3.0; TOEFL≥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

VA 24061, USA



UPCOMING EVENTS

ASABE

2017 ASABE Annual International Meeting

July 16-19, 2017,

Spokane, WA

Canadian Society of Bioengineering

2017 CSBE/SCGAB Annual General Meeting and Technical Conference

Joint meeting with CIGR Section VI: Postharvest Technology and Process Engineering

August 6-10, 2017, Winnipeg, Manitoba, Canada

ICIA

2017 International Conference on Intelligent Agriculture

Aug. 12-15, 2017

Changchun, China

<http://icia.nercita.org.cn/>

EC-PLF

8th European Conference on Precision Livestock Farming (EC-PLF)

October 23 - 26, 2017

Nantes, France

<http://www.ecplf2017.org/>

IRCAEW

2017 International Symposium on Animal Environment and Welfare

October 23 - 26, 2017

Chongqing, China



2017年智能农业国际学术会议

2017年8月12-15日，中国吉林长春

大会主题 (Topics)

1、农业物联网与大数据：主要包括农业传感器与无线传感网、农业物联网系统集成与实践等技术、农业大数据分析与应用、农业信息智能处理与智能决策、农业动植物模型与模拟。

2、精准农业与农业机器人：主要包括农业遥感与先进传感、农机导航与智能测控、农业航空技术与应用、精准作业技术与装备、农产品无损检测与智能包装、农业机器人等技术。

3、农业信息服务：主要包括农业资源管理与宏观决策、农产品供应链质量安全管控与溯源等技术、农业虚拟现实与交互式培训、农业信息云平台与个性化服务。

4、农业动植物表型：主要包括农业生命信息感知与传感器、表型信息高通量获取技术与平台、表型信息解析与分析、表型组学应用实践等技术。

征稿通知

ICIA2017会议文章语言为英文。我们将邀请国际信息处理联合会先进农业信息处理专业委员会委员及国家农业信息化工程技术研究中心评审专家对文章进行审稿，甄选10篇通过两次审稿的优秀文章推荐到SCI检索期刊，甄选二审中15篇优秀的文章推荐到EI期刊发表。其余文章将发表在CCTA2017会议论文集中。由Springer公司出版，为EI检索。

Electrical and Computer Engineering(SCI)

Information Processing in Agriculture(EI)

Computer and Computing Technologies in Agriculture (EI)

请您于2017年7月30日之前在线提交您的文章，篇幅在10页左右，模板见投稿网站左侧下载专区。网址：<http://www.iccta.cn>



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

<http://isaew2017.csp.escience.cn/dct/page/1>

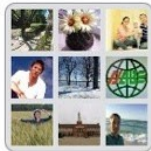


Welcome to join

**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>



海外华人农业生物食品工程
师协会



Valid until 7/14 and will update upon joining group





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The 2016 – 2017 AOC IMPACT Editorial Board

Call for News & Activity Reports

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!

