



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

海外華人農業、生物及食品工程師協會

JUNE, 2009
ASABE Annual International Meeting
VOLUME 8 ISSUE 4

IMPACT



DR. K.C. TING: LEADERSHIP

“Empower Human Capacity with Knowledge and Wisdom.”

INCOMING AOC PRESIDENT

DR. LINGJUAN WANG: CONTINUATION

“Continue Our Passion for AOC!”



MARK YOUR CALENDAR



THE 2009 AOCABFE BUSINESS MEETING

Monday, June 22, 6:00 - 7:00 pm
Teton 1&2 (3rd Floor)



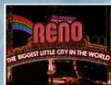
THE 2009 AOCABFE AWARD BANQUET

Monday, June 22, 7:30 - 10:00 p.m.
Phoenix China East Restaurant



AOCABFE STUDENT DINNER PARTY

Tuesday, June 23, 6:30 – 8:30 p.m.
Phoenix China East Restaurant



**TECHNICAL SESSION: CHINA EXCHANGE
(CO-SPONSORING WITH ASABE INTL-601 COMMITTEE)**

Tuesday, June 23, 9:30 a.m.-12:00 noon
Ruby 1&2

Grand Sierra Resort

Reno, Nevada

June 21-24, 2009

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IMPACT is an electronic newsletter of AOCABFE and is published quarterly to inform members within the association (or, other subscribers applied). We invite you to submit comments, story ideas or news to our editors.

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<http://www.AOC-web.org> <http://aoc.cau.edu.cn>

Meet in Reno



Dr. Changying Li

Dear readers,

In a few days, AOC will have its annual Business Meeting along with a series of other events in Reno, Nevada, in conjunction with the ASABE Annual Meeting. For most AOC members, this annual meeting is a once-in-a-year opportunity to meet other members face to face from different parts of the nation or world. As you can see from the message delivered by our President and Vice President, AOC community will have five major events in Reno due to efforts put by AOC Executive Board members after several months careful planning and organizing. We hope you can attend them all and engage in the AOC.

As a convention, the annual AOC meeting is also the time to rotate the leadership. The incoming President Dr. Lingjuan Wang will carry on the torch passed by the soon-to-be past President Dr. Zhongli Pan. Dr. Pan's effort in the past year will be much appreciated and we believe the AOC has been enjoying its continued success in the past year. By coincident, Dr. Pan won the prestigious PECASE Award and "the most influential Chinese Award" during his tenure as the President of AOC, which brought a great glory to our society. Looking forward, there is much to expect from the incoming President whose path to the success is unconventional and inspiring. An interview conducted by our Associate Editor Jiele will help readers know this new President better ranging from her past experiences, her current career development, and her family.

Besides installing the new President for 2009-2010 during the AOC business meeting, a President-elect will be elected for the year 2010-2011. In this Impact, you will find biographies of two candidates for this position, as well as four candidates for member-at-large positions. Please come and cast your vote. Every vote will count.

Although this issue is packed with the information related to the AOC annual meetings, we still published several excellent pieces of articles for our readers. "Feature Story" has been my favorite column and many readers' too. In the interview with Dr. KC Ting, one of the most respected and distinguished professors in the AOC community, you will learn wisdom from this wise man no matter whether you are a student or a professor. You will admire his life time goal described in a simple and brilliant equation: "Empower Human Capacity with Knowledge and Wisdom (Power=KW)". You will find a second article in "Forum" from Dr. Bill Stout, a long time friend of AOC, describing his different experiences in a college and a middle school classroom in China. His observation may make you think about the Chinese education system. We welcome your comments on this issue and free feel to email your opinions to Dr. Stout (stout@tamu.edu) or us. We continue to publish the second half of Dr. Wenqiao Yuan's "Build Your Credentials" in which you will learn how being a competent teacher and a good team player is important for your future career. In the University Spotlight, we introduce the oldest public university in the US to our readers: the University of Georgia. You will appreciate its comprehensive academic programs, picturesque campus, and its 224-year-long history.

With this issue in your hands, the 2008-09 Impact Editorial Team's mission also comes to an end. In the past year, we have written or edited 79 articles with 85 pages in 4 issues. We strived to keep the quality of our newsletter, while at the same time tried to bring a little change to the Impact. We hope we made certain progress towards that goal. I greatly enjoyed working with three talented, passionate, and hard working Associate Editors, and am grateful for their time and dedication. Needless to say, we could not achieve anything without you, our readers. Thank you.

See you in Reno.

Changying Li

Editor-in-chief

Assistant Professor, University of Georgia

Message from the AOC President and Vice President



Dr. Zhongli Pan Dr. Ning Wang

Dear Members and Friends,

Our annual AOC Meeting in conjunction with the ASABE Annual International Meeting will be held on June 21-24 in Reno, Nevada. The City of Reno has been proclaimed to be “The Biggest Little City in the World” (<http://www.cityofreno.com/>). Besides the academic exchanges, you might also have opportunities to show your luck there.

Through several months of careful planning and organizing efforts involving many individuals, especially the members of the AOC Executive Board, we are looking forward to productive and enjoyable AOC activities in Reno. In this newsletter, you can find detailed information on the activities planned for

the AOC Annual Meeting. The five major activities include AOC Annual Business Meeting, AOC Award Banquet, AOC Student Dinner Party, China Exchange Session, and Dinner for Alumni of Zhejiang University. The AOC Business Meeting and Award Banquet provide you an update of the current status of our association and recognize the achievements and contributions of individual members. The speakers of AOC Student Dinner Party will share their successful stories on job search and career development. The China Exchange Session will have featured speakers from both China and the U.S. to provide you the latest information about academic and technology exchange between China and abroad. The Dinner for Alumni of Zhejiang University will be another great event for the alumni.

We encourage each of you to participate in all activities of the AOC meeting. These planned activities will offer great opportunities for us to share friendship and professional development. You are welcome to bring your family members and guests to these activities, especially to the Award Banquet. If you have not registered for the AOC Annual Meeting with the ASABE meeting registration, it is not too late! You can register for the AOC Business Meeting and Award Banquet on site.

We are looking forward to meeting you in Reno.

Zhongli Pan, President

Ning Wang, Vice President

The 2009 AOC Annual Meeting Activities at a Glance

By Ning Wang

The 2009 AOCABFE Business Meeting

Monday, June 22, 6:00 - 7:00 pm

Location: Teton 1&2 (3rd Floor)

Agenda

- Call to Order by Vice President - Ning Wang
- Approval of Agenda
- Approval of 2008 Business Meeting Minutes
- President's Report – Zhongli Pan
- Election of the 2009-2010 Executive Board – Chenghai Yang
- Student Activity Committee Chair's Report – Wei Zhang
- Treasurer's Report – Yubin Lan

- Foundation Director's Report – Yanbin Li
- Appreciation to Donors – Yanbin Li and Zhongli Pan
- Technology Cooperation Director's Report – Shaojin Wang
- Change of Gavel
- Remarks from the New President – Lingjuan Wang
- Adjournment

The 2009 AOCABFE Award Banquet

Time: Monday, June 22, 7:30 - 10:00 p.m.

Location: Phoenix China East Restaurant, 好相逢海鲜酒家,
1086 S. Virginia Street, Reno. Tel: 775-3487020

Contact: Dr. Ning Wang, ning.wang@okstate.edu

Agenda

- Introduction of Honorable Guests
- Certificates of Recognition
- AOC Awards
 - o Graduate Leadership and Service Award
 - o Graduate Scholarly Achievement Award
 - o Student Paper Awards
- Remarks from Invited Guests

Dinner Menu

- Soup: Three Flavor Sizzling Rice Soup
- Appetizer: Seafood and Meat Combination
- Entrees: (1) Crispy Duck;
 - (2) Pan Fried Prawn with Ginger and Scallops;
 - (3) Beef Stew in Clay Pot;
 - (4) Fried Stuffed Bean Curb;
 - (5) Combination Seafood;
 - (6) Peking Style Pork Rib;
 - (7) Sauteed Chinese Green with selected sauce;
 - (8) Fried Squid with Salt and Pepper;
 - (9) Eggplant with hot Garlic Sauce;
 - (10) House Special Fried Rice
- Dessert: Fresh fruit

AOCABFE Student Dinner Party

Tuesday, June 23, 6:30 – 8:30 p.m.
 Location: Phoenix China East Restaurant, 好相逢海鲜酒家,
 1086 S. Virginia Street, Reno. Tel: 775-3487020
 Contact: Wei Zhang, wz47@cornell.edu

Overseas Alumni of College of Biosystems Engineering and Food Science, Zhejiang University, China

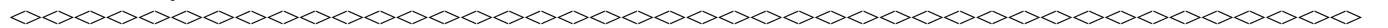
Time: Sunday, June 21 - 7:00PM-10:00PM

Location: Location: Carson 2 (Main Floor)
 Contact: Dr. Shaojin Wang,
shaojin_wang@wsu.edu

Technical Session: China Exchange (Invited Speakers)

(Co-sponsoring with ASABE INTL-601 Committee)
 Time: Tuesday, June 23, 9:30 a.m.-12:00 noon
 Location: Ruby 1&2
 Moderator: Dr. Lingjuan Wang

- 9:30 Introduction
- 9:40 Mr. Dong, Jianlong, Consul, the Consulate-General of P.R. China in San Francisco. Presentation title: TBA
- 10:00 Dr. Chen, Zhi, President of Chinese Academy of Agricultural Mechanization Sciences. Presentation title: "Status and Future of Corn Harvester in China"
- 10:20 Dr. Calvin Parnell, Cotton Chair and Regents Professor at Texas A&M University. Presentation title: "Cotton Production and Processing in China"
- 10:40 Break
- 11:00 Mr. Li, Erchao, China Agricultural University. Presentation title: "Agricultural Machinery Cooperatives in China: Origin, Development, and Innovation"
- 11:20 Dr. Bill Hunt, Associate Professor at North Carolina State University. Presentation title: "Potential for Stormwater Management in China"
- 11:40 Dr. Wang, Yingkuan, Managing Editor & Journal Manager of International Journal of Agricultural & Biological Engineering (IJABE). Presentation title: "Overview of English journals in China and Sino-US joint journal IJABE based on open access"



AOC Annual Meeting and Award Banquet Registration Form

Regular members and non-members:	\$75
Student members:	\$15
Members from China:	\$15
Guests and family:	\$35 per adult, \$15 per child under 12
Non-members:	\$75

Name: _____ Title: _____

AOC Member: Yes [] No []

Affiliation: _____

Phone: _____ Email: _____

Number of Guests Number: [] Adults [] Children

Payment options: *Pay onsite in Cash or Personal Check*

Dr. Zhongli Pan Attended the Award Ceremony

Dr. Zhongli Pan, Research Engineer at the USDA-ARS and Adjunct Associate Professor at University of California-Davis received "You Bring Charm to the World - 2008 Influential Chinese Award" in Beijing on March 28, 2009. The award is sponsored by a news consortium led by Phenix TV to honor the Chinese who have made significant contribution in science, humanity, sports, culture and art. Dr. Pan received the award because of the impact and contribution of his research in food engineering and food safety. This is another prestigious award that Dr. Pan received after receiving the 2007 Presidential Early Career Award for Scientists and Engineers. After the award ceremony Dr. Pan visited his hometown and met with the Governor of Heilongjiang Province, Mr. Li Zhanshu. Governor congratulated Dr. Pan's achievements and wish his continue success. More news can be found on the website <http://phtv.ifeng.com/hotspot/08331/>. (Editor's note: More photos can be found at pages 20-21 in this issue)



中国政协副主席张梅颖为潘忠礼颁发2008影响世界华人大奖

Member Activity

Message to Students

By Wei Zhang, SAC Chair (2008-2009)



Wei Zhang

If you will come to the ASABE Annual International Meeting (AIM) at Reno, you may be busy preparing your posters or PowerPoint slides at the time you see this message. I personally benefited a lot from attending the conference, since I could not only exchange intellectual ideas with the experts in my field, but also have many opportunities for networking. Particularly, the AOC holds its annual meeting in conjunction with the ASABE AIM, and the Student Activity Committee (SAC) of AOC organizes student activities at the same time. Here you would observe the growth of the AOC, especially the growth of its student body. I attended the activities of the AOC for the first time at Portland, Oregon in 2006. As a graduate student who was still young to my area of research, I was thrilled to see so many Chinese scientists, engineers, and graduate students diligently working in the fields of agricultural,

biological, food, and environmental engineering. In the following 2007 and 2008 AIM, I came to the AOC and SAC events too, because I enjoyed the great fellowship in the association and the excitement of witnessing its prosperous development.

This year, I do not expect anything less than what I've experienced in the previous years. Dear students, please mark your calendar for the two major events that the SAC will organize.

On June 22, the SAC will have its T-shirt fundraising sale before the AOC business Meeting (6:00 to 7:00 PM, Teton 1&2 (3rd Floor)), followed by the AOC Award Banquet at China East Restaurant (1086 A South Virginia Street, Reno, NV), where the student awards will be presented. Come to support our fundraising event and also meet faculty, scientists, engineers, and fellow students.

On June 23 (6:30 to 8:30 PM), the SAC will have the student gathering at China East Restaurant. This popular event has been the highlight of the student

activities and attracted not only students, but also faculty, scientists, and engineers. We will have guest speakers, who are usually the established scientists, to share their experience in the pursuit of a successful career and satisfying life. This year we are thrilled to have Dr. Changying Li from University of Georgia to give a talk on "How to be best mentored".

I would like to welcome all students who will attend this conference to these events. Your involvement will be highly supportive to us. I believe that you will also

enjoy the events and benefit a lot as I did in the previous years. Please pay attention to the future email announcements from the SAC and also the flyers at the Information Booth in the AIM venue.

Finally, I like to take this opportunity to congratulate Xiguang Chen from UC Davis, who will become the new chair of the SAC for the 09-10 term after the AIM. I firmly believe that he will do a great job and elevate the performance of the SAC.

Inside AOC

2009 AOC Election Ballot and Candidates

The candidates for each category are listed alphabetically by last name.

President-Elect (elect one):

- Dr. Yubin Lan, USDA-ARS, College Station, TX
- Dr. Donghai Wang, Kansas State University
- Other (name) _____

Board Members (Two-year term, elect four):

- Dr. Yanbo Huang, USDA-ARS, Stoneville, MS
- Dr. Changying Li, University of Georgia
- Dr. Zhuping Sheng, Texas A&M University, El Paso
- Dr. Ruixiu Sui, Texas A&M University, College Station
- Other (name) _____
- Other (name) _____

President-Elect Candidate



Dr. Yubin Lan is an Agricultural Engineer at USDA-ARS Southern Plains Research Center and an Adjunct Professor and Graduate Faculty with the Department of Biological and Agricultural Engineering, Texas A&M University (TAMU). Dr. Lan holds a B.S. (1982), M. S. (1987) degrees in

Agricultural Engineering from Jilin University of Technology, and a Ph.D. degree in Agricultural Engineering from TAMU (1993). He worked as a postdoctoral research associate at TAMU (93 to 95); as a Control Engineer at the Department of Biological Systems Engineering, University of Nebraska-Lincoln (95 to 99); as an Assistant Professor (99 to 03) and then as an Associate Professor (tenured, 03 to 05) at

the Agricultural Engineering Technology, University Systems of Georgia at Fort Valley. He also holds guest professorships with China Agricultural University, Jilin University, Shanghai Jiaotong University, China Academy of Agricultural Mechanization Science and China Academy of Agricultural Engineering. Dr. Lan serves as an Associate Editor for ASABE, Board member for Journal of Bionics Engineering, CIGR, International Journal of Food Properties and Journal of Food Process Engineering. Since 1992, he has traveled back to China frequently to give lectures and collaborating research projects in China which were funded or sponsored by China NSF, China Foreign Expert Bureau, and Cuihui Program. Dr. Lan has research experience in sensor and controls development, food safety and quality, precision agriculture, and power and machinery. His publication record includes over 65 peer-reviewed journal articles, over 120 conference papers, and 9 book chapters.

“AOC provides a great opportunity to promote information exchange, research collaboration, and professional development among Chinese professionals in agricultural, biological and food

engineers around the world. As a board member and treasurer, I will be happy to make more contribution to its further development and let more people benefit through AOC.”

President-Elect Candidate



Dr. Donghai Wang obtained his B.S. degree from Northeast Agricultural University in 1982, M.S. degree from University of Illinois in 1994, and Ph.D. degree from Texas A&M University in 1997. He was Postdoctoral Fellow at USDA-ARS Grain Marketing and Production

Research Center from 1997 to 2000. In 2001, he moved to Kansas State University. Currently, he is an associate professor in the Department of Biological and

Agricultural Engineering. His teaching and research has been focused on bioprocessing and biofuels. Donghai has been actively involved in professional civilities. He is member of several professional societies including ASABE, AACC, AIChE, SIM, and AOC. For AOC, he has been served as treasurer, board member and vice-president.

“AOC is not only a great professional organization, but it is also a great family of overseas Chinese agricultural, biological, and food engineers. As an AOC member, I am willing to make my contribution to its sustainable development.”

Member-at-Large Candidate



Dr. Yanbo Huang is an Agricultural Engineer at USDA-ARS Application and Production Technology Research Unit in Stoneville, MS. He earned B.S. and M.S. degrees in Industrial Automation from Beijing University of Science and Technology and Chinese Academy of Mechanics and

Electronics Sciences, respectively, and his Ph.D. in

Agricultural Engineering from Texas A&M University. Since 1991, he has been conducting research and development on information technology and systems for food engineering, irrigation engineering, aerial chemical application, crop management, and precision agriculture.

“I’ll try my best for AOC and all members: do more, do good, do things, and do not toss (多做事, 做好事, 办实事, 不折腾.)”

Member-at-Large Candidate



Dr. Changying Li currently is an Assistant Professor in the Biological and Agricultural Engineering Department at the University of Georgia (UGA). Before he joined the UGA in 2007, he did a short term postdoc at the University of Illinois at Urbana Champaign after he

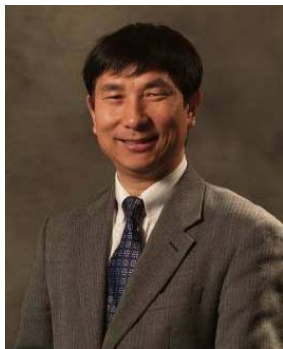
received his Ph.D. degree from the Pennsylvania State University in 2006. He obtained his B.S. and M.S. degrees both from China Agricultural University in 2000 and 2003, respectively. His current research

interest is in developing and applying sensing technologies for specialty crops and cotton fiber quality measurement.

Changying Li has been involved in the AOC since 2005 and is a passionate supporter of the AOC. He is working as the Editor of the AOC Newsletter Impact from 2008-2009. He worked as the Student Activity Committee (SAC) Chair from 2005-2006 when he was a graduate student.

“I believe that AOC is an important community for Chinese agricultural engineers working in abroad and it plays a critical role in promoting Sino-US exchange in food, agricultural, and biological engineering field.”

Member-at-Large Candidate



Dr. Zhuping Sheng is an Associate Professor at the Texas AgriLife Research Center at El Paso and Department of Biological and Agricultural Engineering, The Texas A&M University System. He is a registered Professional Engineer (P.E.) in Texas and a Certified

Professional Hydrogeologist (P.H.G.). He received his Ph.D. degree from University of Nevada, Reno in 1996, his M. Sci. degree from Institute of Geology, Chinese Academy of Sciences, China, and B. Eng. degree from Tongji University, China. His current research focuses on improvement of efficiency of irrigation system, aquifer storage and recovery, integrated management of water resources in arid regions, transboundary water resources assessment and aquifer mechanics. He is currently carrying out a cooperative research project in China in collaboration with scientists in Chinese Academy of Sciences. Prior to joining Texas A&M University, he worked as a

Hydrogeologist for the El Paso Water Utilities, Texas, working on the Regional Water Plan, part of Texas State Water Plan, the El Paso – Las Cruces Regional Sustainable Water Project and other projects. He also worked as Assistant Professor at Institute of Geology, Chinese Academy of Sciences. He has served on the advisory committee of National Research Council of National Academies. He has served on many national and international technical committees and expert panels, and chaired several technical committees of American Society of Civil Engineers, American Water Resources Association and other organizations.

“I am very happy to see how fast and well the AOC has grown for last several years. I am eager to provide service to the AOC members and share my experience gained from other society services. If I were selected, I would like to promote development of our young professionals by encouraging them to serve in the AOC, ASABE and other professional societies; and to strengthen cooperation among AOC members and collaboration with other sister societies, which will provide more benefits to our members and help the AOC continue to grow stronger.”

Member-at-Large Candidate



Dr. Ruixiu Sui is a Research Associate Professor at Biological and Agricultural Engineering Department of Texas A&M University. He has a B.S. degree in Radio-Physics from Lanzhou University in China, M.S. and Ph.D. degrees in Agricultural Engineering from the

University of Tennessee. Dr. Sui has 25 years of research experience in development of sensors and instrumentation for agriculture. He holds two patents and has published 80 papers. His current research

focuses on sensor and control, bioenergy, cotton engineering, and precision agriculture.

“AOC provides our current and future members a great opportunity to promote information exchange, research collaboration, and professional development. AOC has made tremendous contribution to the collaborations between China and other countries in agricultural, biological, and food engineering. During recent years, there have been significant changes in China, including in the area of agricultural, biological, and food engineering. We need to continue on a path to strengthen the relationship of AOC and agricultural, biological, and food Engineers in China.”



AOC Board Teleconference Minutes

Friday, April 24, 2009



Dr. Shaojin Wang

The AOC Board teleconference was held on Friday, April 24, 2009. Because AOC President Zhongli Pan was traveling at the beginning of the meeting, Chenghai Yang called the meeting to order at 1:00 PM PST (3:00 PM CST).

There were ten members in attendance and they were (alphabetically): Yubin Lan, Zhongli Pan, Roger Ruan, Donghai Wang, Lingjuan Wang, Ning Wang, Shaojin Wang, Chenghai Yang, Naiqian Zhang, and Wei Zhang.

Chenghai Yang inquired about suggestions and comments on the agenda and minutes of Feb. 06, 2009 Board Meeting. Because there were no additional comments, the agenda and minutes were approved.

E-Journals

Roger Ruan reported that the journal has published three issues of high quality papers. The journal is now indexed by Chemical Abstracts, CAB Abstracts, and CABI. The journal is growing. The entire editorial team including editors and editorial staff has been doing excellent jobs. The editorial office will prepare an annual report with detailed statistics of submissions, review, decision and published papers, indexing, performance of the OJS and website, competence of editors, and income and expenses. The journal uses OJS as the manuscript management platform. The system has some minor bugs but the main issue is that many of our editors and reviewers are not familiar with the system. We plan to further customize and debug the OJS and website to enhance functionality, improve their user-friendliness and to provide better user (editor, reviewer, and author) manuals. The website has a number of problems and rooms for improvement. Many of the issues are related to the server performance. Readers outside of China often experience download failures. Some automatic actions regarding editorial are not executed as expected, causing some problems along the peer review line. This is very serious. One option is to set up a mirror site in the US maintained by editorial staff at St. Paul, USA. We have begun to explore the technical and financial feasibility of setting up the mirror site.

Student activities of SAC

For the student activity, the board approved the budget of \$200/table for the student gathering party. Student member will pay \$5 for the gathering and faculty will pay \$20 as it was done last year. The restaurant is the same with the one where the AOC business banquet will be held (China East Restaurant at Reno). The other student activities discussed in the meeting include: the student activity committee chair election will be held at the end of May and the candidate is Xiguang Chen from UC Davis; Wei Zhang sent out the notification for the student paper competition and award nominations to the student members; the SAC leaving board members will be presented with certificate of service in the meeting or receive it in mail if not presented in the meeting.

Financial updates

Yubin Lan reported that the current AOC account balance was \$14,151.98 up to the meeting date.

AOC annual meeting

Ning Wang updated the latest progress on the arrangement of AOC Business Meeting and Award Banquet in Reno, NV. The AOC business meeting has been posted on the 2009 ASABE Annual Meeting website. To avoid the time conflicts with ASABE fellow induction ceremony and other important activities, the AOC business and Award Banquet has scheduled to be held on Monday evening, June 22.

After Dr. Zhongli Pan's site visit, the location for the AOC Award banquet has been selected: China East Restaurant (好相逢海鲜酒家), 1086 A South Virginia Street, Reno, NV. The board members suggested reserving 10 tables (for 100 people). The restaurant will provide an audio system. AOC regular members will pay \$75 dollars for the dinner. Part of the fee will be contributed to the AOC Foundation as a donation. The fee for student members and members from China will be \$15. The Board members also discussed the list of invited guests. The detailed information on the AOC activities will be posted on the next Impact Newsletter.

AOC/ASABE meeting/China Exchange

Lingjuan Wang reported to the group that up to date, only two speakers were identified and confirmed. She called for help for inviting more speakers from China. She also informed the group that the deadline for sending the detailed information about speakers and their presentations to ASABE (Sharon Mcknight) is April 30, 2009, which is also the deadline for early bird

registration for attending the 2009 ASABE annual meeting in Reno, NV.

Yangling Base update

We did not discuss the issue of Yangling Base because no committee member attended this Board meeting.

With no other new business, the AOC Board teleconference was adjourned at 2:30 PM PST by President Zhongli Pan. Next Board meeting will be at 1:00 PM PST (3:00 PM CST) on June 12, 2009.

Respectfully Submitted,
Shaojin Wang

Forum and Letter

My Experiences in China - Part II

By Dr Bill A. Stout



Dr. Bill Stout

In Part I of this series, I mentioned that I have served as a Visiting Professor at the China Agricultural University for the past five years. In Part II, I want to tell you about several experiences I have had while working with Chinese students. One of my seminars was entitled, “Cultural Similarities and Differences”. It was based on my long experience in working with people of many cultures and having visited some 70 countries. I always start this seminar with the statement, “The world is like a mirror. If you smile into it, it will smile back(almost always)”. Following this seminar, one of my students sent me an email and quoted my statements. She said—“I tried it. It works. You changed my life!”. I doubt that, but if she thinks so, I am gratified.

Here is a very different story. As a professor I like to interact with my students. I roam around the classroom and ask questions of individual students. I have found that Chinese students are reluctant to talk with me. Admittedly, they are speaking in their second language. I certainly could not interact with them in Mandarin.

So one time I gave the class a homework assignment. The topic was “renewable energy” and I asked them to prepare three questions on any aspect of renewable energy. I tabulated the questions and the next lecture was devoted to a discussion of their questions. One topic was—hydropower and this led to a discussion of the Three Gorges Dam. I asked—do you think the Government had an adequate plan to handle the resettlement of a million or so people and do you think there was an adequate plan to deal with environmental issues? Immediately, one student raised his hand and stood(as students always do when they speak in class). He said—yes, I think the Government did a good job in planning and they anticipated all the major issues and

dealt with them adequately. He was very articulate and emphatic in his position.

After the first student sat down, another student rose and said—I disagree! Moving so many people disrupted their lives and caused many problems. And there are many environmental uncertainties that could have serious consequences. He was also very articulate and passionate about his position.

I consider this to be my most successful lecture. These two students were involved and the entire class participated.

One more story. My wife has a 13-year old niece who is quite fluent in English. She invited me to speak to her Middle School English class. It was a roomful of bright young boys and girls. I didn’t have any special message. We just talked and they interacted enthusiastically. At the end, they gave me a big round of applause. This is only one data point, but my question is, why were Middle School students so talkative (in English) and enthusiastic and what happens between Middle School and University that makes college students so reluctant to interact with the professor?

I hope that you have found my experiences as a Visiting Professor at CAU interesting. I have certainly enjoyed it. This will be my last report in this series unless I hear from you, the readers, that you want to hear more. I will appreciate any feedback that you choose to give me.

Author: Dr Stout has half a century of experience as an agricultural engineer, much of it in developing countries. He is a Professor Emeritus at both Michigan State University and Texas A&M University and is now a Visiting Professor at the China Agricultural University. He has been a member of AOC since its inception.

Build Your Credentials - Part II

Wenqiao (Wayne) Yuan

Assistant Professor, Department of Biological and Agricultural Engineering
Kansas State University, Manhattan, KS



Dr. Wenqiao Yuan

3. Be a competent teacher

Many good researchers are good teachers, but not all. The importance of teaching cannot be overemphasized. How can you show that you will be a good teacher?

1) Teaching experience

You need to get as much teaching experience as possible. Being a TA is probably the best way. You may help your advisor grade assignments or arrange and coordinate labs. You can ask for opportunities to give some lectures in the class. You may even independently teach a class. I actually did all above when I was a student, not only because I liked to do so, but also I knew they were important to my career as a professor. Being a TA takes time and efforts, and most of the time not paid in engineering departments, however, the reward is you learn how to be a good teacher, and you show your potential of being a good teacher to the search committee.

2) Teaching training

Almost every university has some programs to train young faculty. Graduate students are usually allowed to participate in. For example, here at Kansas State University, we have a LEARN program, and I know some graduate students are in the program to learn how to teach. At University of Illinois, there was a program named Academy of Teaching Excellence when I was a student. I participated in a full-semester training in that program and received a certificate after completion. I learned tremendous amount of teaching skills from that course and more importantly, met many excellent instructors. If you are still a student, it is not late to start looking for such training opportunities now.

4. Be an active participant

You may be a productive researcher (student), and you may potentially be a competent teacher, but you still need to show that you are willing to be a team player,

to serve your institution and profession, and to take leadership in your area.

1) Team player and leadership

Being an active participant can be at different levels. In your department, you may be a member or leader of a student design team; in your institution, you may be a member or officer of a student organization; in your profession, you may be a member or leader of a student honor society or branch. All these show that you are a team player, you are willing to serve, and you have the capability of taking leadership.

2) Professional membership and service

If you go to professional society meetings, you are probably a member of it. Being a member of professional societies is just the starting point of professional service. You may join various committees in the meetings, and you may even become an officer of the committee. Sometimes, you can volunteer to be a moderator of a session. I even know a friend who served as a program chair of a meeting when he was a student.

3) Peer reviewer

Being a peer reviewer of some journals is also a good practice - assistant professors are doing that very often. When you evaluate other people's work, it is also a good learning process because you will see both problems and highlights of the articles you review. Students seldom review papers, not because they are not capable of doing it, but because they do not know they can. You can go to the journals in your area and register your expertise as a reviewer. You may also tell your advisor your interest of reviewing papers so he/she can give you such opportunities.

4) Honors and awards

Every professional society has various types of honors, awards and scholarships. Being honored by a society or receiving a prestigious award can significantly improve your credentials and expose yourself. When I was a student, I participated in the Graduate Research Award

competition of our society and won the first place. I was also nominated and won a Scholarly Achievement Award and Superior Paper Award. I believe these awards have had positive impacts on my career. How can you get those? Do your homework to qualify yourself, and apply for them. If nomination is needed, sometimes you need to tell your advisor or other professors your interest because he/she may not be aware of such an honor.

Conclusions

As you can see, my expectations to you, a student who is interested in an academic job, are actually the expectations to professors. I know it is hard for a student to meet all those expectations, however, the purpose of this article is to show what you can do to make yourself more competitive. The things listed in this article are not complete, but the general idea is simple: build your credentials strong before you start to look for an academic job! Good luck.

Feature Story

Dr. K.C. Ting: Enabling the dreams of many, and more...

Interviewed by Yu Chen



Yu Chen

Dr. K.C. Ting served as chair of three departments at three universities: University of Houston, Rutgers University, and The Ohio State University, before becoming professor and head of the Agricultural and Biological Engineering Department, University of Illinois on November 1, 2004. He specializes in automation, systems informatics and analysis, and alternative energy. He currently leads a BP Energy Biosciences Institute program on "Engineering Solutions for Biomass Feedstock Production." He has served as the editor for several journals. He has authored/co-authored over 200 articles, conference papers, and project reports. He is one of the creators of the concepts of "Phytomation (i.e. plant based engineering systems)" and "Automation-Culture-Environment oriented Systems Analysis (ACESys)."

Dr. Ting has been invited to deliver numerous presentations and served as honorary professor or guest professor in many institutions both in the US and abroad including China and Japan.

He was elected to Fellow of ASAE in July 2001 and to Fellow of ASME in July 2002. He participated as a fellow of Food Systems Leadership Institute during 2006-2008. He was a recipient of the ASABE 2008 Kishida International Award.

Interview

Yu: You have been Chair/Head for many departments/programs. What's your secret, especially being a foreigner to this country, to be a



Dr.K.C.Ting

"professional"
Department Head in four different institutions? In your point of view, how to be a successful Department Head?

Dr. Ting: None of the positions was by plan. I was enlisted to do the first two (Houston and Rutgers) and recruited to do the next two (Ohio State and Illinois).

Leadership is without borders, I don't think it's a necessary constraint to have to be born in this country to be able to serve in this kind of capacity. Many people before me, my contemporary, and also many people after me have done this same thing. People tend to entrust this kind of responsibility in the ones that, they think, can deliver. So, one of the most important things is to make people feel that you will be able to assume the responsibility and generate results. It is also important that the results to be generated will be aligned with the goals of the organizations such as departments, colleges, and university campuses.

In my view, to be effective as a department head, or in any leadership position, one needs to practice systems thinking/approach, pay attention to details, make things happen, get things done, and enable people to succeed. Fundamental to all actions is to have sustained trust from your colleagues.

Yu: You worked in several universities in the past several years. What were the reasons for you to move? When you started in a new place, what challenges and opportunities did you face and how did you manage to overcome them?

Dr. Ting: The move from Rutgers to Ohio State was the result of a strong persuasion from the Chair of the Department Head Search Committee at that time. The move from Ohio State to Illinois began with a notion from the Chair of the Department Head Search Committee that it could be very exciting to return to my alma mater to contribute in a different way 24 years later since I left Illinois upon the completion of my Ph.D. The biggest challenge in moving to a new place to assume a leadership/administrative position is the ability to do fast-paced parallel processing of information and multi-tasking of actions/decision making. Having very supportive and collegial bosses and colleagues made it possible to go through the transition.

Yu: You have won many significant honors and awards in past years. What is your biggest success over years? Do you have any regret or frustrations?

Dr. Ting: I treasure the opportunity to work with the best people, to be recognized by students and peers, and to return to my alma mater to help advance the goals of the department, colleges, and university that enabled me to do whatever I have been able to do.

A bit of frustration has been that there are so many opportunities to contribute in our profession (and I have a tendency to “over commit”), yet there is never sufficient time to accomplish all the tasks with the highest quality as planned.

Yu: How do you evaluate the competitiveness of research programs of your peer departments and institutions in China? Do you think they will catch up with American ABE Departments in 10 years? 20 years? Or even longer?

Dr. Ting: There are two aspects in defining “great programs,” namely quantitative and qualitative measurements; e.g. quantitative – publications, citations, resources, awards/recognitions, invited keynote presentations, leadership at various levels, etc., and qualitative – good science, long-term impact,

globally preeminent, locally relevant, diversity with a solid core, attracting high caliber people, clientele support, excellent reputation, effective integration of multiple-disciplines, regions, and functions, etc. Often times quantitatively measures can make the organization very good, but to make an organization truly great, you need additional qualitative indications. Regarding our sister institutions in China, my observation in recent years is that most organizations are getting very close to their US counter parts. In some cases, quantitatively, they have already exceeded many US organizations. There is no doubt that they are catching up, or have caught up. But my personal feeling is that some qualitative indicators have not been emphasized. They need to decide on what qualitative measures they will appreciate and follow through with them. I think they will do well in comparing to their peers in the US. They have the talent, the networking with other countries, and good resources. Every individual faculty knows what to do, they know where to get the resources, and I think more collaboration and team work will take them to a higher level. So the answer is yes, and they know how to get there.

Yu: What’s the future of our field (ABE)? In 50 years? In 100 years?

Dr. Ting: If you look at the present and into the foreseeable future, the big issues and challenges in our world, such as food, energy, and environment, are strongly related to agriculture. These are very big challenges that we are facing and we, agricultural and biological engineers, are well qualified and positioned to contribute and provide leadership to addressing the issues. ABE should be in the center stage to provide solutions to these problems.

Yu: You are one of the most successful and distinguished professors in AOC community. What’s your life time goal? Do you think you have achieved it? What’s your next goal?

Dr. Ting: My life time goal is to “empower human capacity with knowledge and wisdom.” I think I have made some progress towards the goal, one person or a small group at a time; however, it is pretty much work in progress. The next goal is, therefore, to be able to have a broader impact.

Yu: Having many duties and work load, can you still enjoy a balanced life of work and family? Do you need to make any sacrifice to do the best job for your position? Can you tell us what your typical day looks like?

Dr. Ting: “Enjoy” and “a balanced life” are very subjective terms; although our society tends to, rightfully, provide some “objective” measures for the terms. Therefore, the amount of “sacrifice” a person needs to make varies among individuals. In my case, as many of my colleagues, there were many moments that I had to make choices between work and family. My typical day is filled with decision making, email communications, reading (memos, reports, papers, manuscripts, etc.), meetings (with students, staff, faculty, potential donors/sponsors, administrators, government officials, corporate partners, visitors, stakeholders, etc.), ceremonial activities, presentations, writing (reports, letters, papers, etc.), preparation of PowerPoint presentations, etc. One of the most important tasks is to deal with problems that do not have obvious solutions.

Yu: You came to the US in December 1975 and stayed here for more than 30 years. Today, many Chinese graduate students and scholars face the dilemma: to stay or to go back? What’s your advice?

Dr. Ting: Follow your intuition. Keep big dreams and assess the reality. It may be helpful to have some form of “strategic framing” in defining “purpose (i.e. vision and mission),” “overarching goals (i.e. intensions),” “indicators of success,” and “experiments (i.e. action plans).”

Yu: Do you have any advice for graduate students in terms of adjusting themselves in the US culture and explore their potentials to be a successful person?

Dr. Ting: To adjust in the US culture, it is advisable to respect the differences, interact constructively, participate actively, contribute selfishlessly and value graceful effectiveness. To explore potentials, things that are worthy of attention are strive for quality work, be responsive, meet the deadlines, think globally and

do locally, adhere to honesty and integrity, work as a team, be part of the solution, and value collegiality.



Yu: What’s your best advice to early career faculty members in AOC community?

Dr. Ting: Start as early as you can; become familiar with faculty responsibilities, rights, and career advancement issues; get on all key email distribution lists; meet all key colleagues as soon as possible (networking on and outside the campus); keep big dreams and assess the reality (strategic framing); work closely with your mentors; remember the importance of professionalism and life-long learning; learn how to manage time and balance work and personal life; learn how to be a good researcher, teacher, and committee member/leader; learn how to advise, supervise, and mentor undergraduate and graduate students and post-docs; learn to utilize resources and ask good questions and understand that you are ultimately responsible for your own career development, although there are many people who are very interested in seeing you succeed.

Dr. Lingjuan Wang: the Incoming President of AOC

Interviewed by Jiele Xu



Jiele Xu

Dr. Lingjuan Wang, the incoming President of AOC, is an assistant professor in the Department of Biological and Agricultural Engineering at North Carolina State University. She received a Bachelor of Engineering (BE) at Anhui Institute of Finance & Trade, P. R. China where she was trained to be an engineer in Cotton

Engineering. After working in All-China federation of supply and marketing cooperatives Zhengzhou Cotton & Jute Engineering Technology Design and Research Institute for thirteen years, Dr. Wang came to the U.S. to pursue higher degrees at Texas A&M University and received her M.S. and Ph.D. in Biological and Agricultural Engineering respectively in 2000 and 2004. After that, she continued to work as a postdoctoral research associate in her department for another year. In 2005, Dr. Wang joined the Department of Biological and Agricultural Engineering at North Carolina State University, working as an assistant professor of Agricultural Air Quality Engineering.

Dr. Wang's expertise falls into all aspects of air quality monitoring, modeling and control.

Her research interests include air pollution abatement system design, air quality sampling/monitoring, dispersion modeling, animal housing and environmental management, and agricultural processing. Dr. Wang teaches a graduate class in "Aerosol Mechanics" and an undergraduate class in "agricultural facilities and environmental management". She is also mentoring a research team with postdoctoral research associate, Ph.D., M.S., and undergraduate students on various research projects funded by the federal government or industrial sectors.

As a junior faculty, Dr. Wang has authored/coauthored 15 peer-reviewed journal papers and serves as technical reviewer for 10 refereed journals. She was the Chair of S1025 Multi-State Air Quality Research Committee: "Systems for Controlling Air Pollutant Emissions and Indoor Environments of Poultry, Swine, and Dairy Facilities" and the Editor-in-Chief of Agricultural Engineering International: the CIGR Ejournal. Dr. Wang is also an active member of American Society of Agricultural and Biological Engineers (ASABE), serving in five committees. Other professional societies she affiliates with include Air



Dr. Lingjuan Wang

and Waste Management Association (AWMA) and International Commission of Agricultural Engineering (CIGR).

Interview

Jiele: Before coming to the

U.S., you have worked in China for many years. How does your work experience back in China affect your career development now? Do you benefit from it?

Lingjuan: I started my professional career in July 1985 right after I graduated from Anhui Institute of Finance and Trade with a bachelor of engineering (B.E.) degree majoring in cotton engineering. From 1985 to 1998, I worked for the all-China Federation of Supply and Marketing Cooperatives Zhengzhou Cotton & Jute Engineering Technology Design and Research Institute, which was the only governmental institute severing the cotton ginning industry. Although I did not graduate from the most prestigious college, I am proud of the engineering training I obtained in my college education and in the thirteen years experience working for the institute. Specifically, the work experience helped me develop not only engineering design skills, but also management, planning and communication skills. All these skills are transferable to most any job situation and they are the basis for developing collaborative relationships with other disciplines and with industry and government. Hence, the past experience and training in China are extremely beneficial for my career development in the U.S.

Jiele: Most of your researches focus on air quality issues related to agricultural operations. What is the importance of your work? How can ordinary people benefit from your research achievements?

Lingjuan: Agricultural operations, specifically, animal agriculture in the U.S is important to the nation's economic well being and national security. The animal agriculture industry produces almost \$100 billion per year in farm revenue contributing to the vitality of rural communities and insuring the sustainability of America's food supply. Approximately 238,000 animal feeding operations (AFOs) in the U.S. provide America's growing demand for meat, milk, poultry,

and eggs. While AFOs are a vital link in America's food supply, they also pose a significant risk to the environment. Tons of particulate matter (PM), gaseous pollutants and bio-aerosols are emitted from AFOs every year, leading to hazardous working conditions for five million people who work in or near the facilities and poor air quality for millions who live nearby. Air emissions from AFOs have become a serious political and environmental problem.

Our agricultural air quality research program aims to "bring engineering solutions to agricultural air quality problems" through measuring/monitoring, modeling and mitigating air emissions from agriculture operation including AFOs. Contributions and significance of agricultural air quality studies to the sustainability of our food supply and our living environment cannot be overlooked.

Jiele: What's your biggest challenge as an Assistant Professor? What inspires you the most when you face challenges or difficulties in your work?

Lingjuan: in my professional career, I have worked independently as well as in collaboration with people from both academia and industry. They have been very rewarding experiences for me. I have learned from my past experience that being a serious researcher entails hard work, long hours, sometimes frustration and a need for total commitment. I have this commitment and truly enjoy the intellectual freedom associated with academic research.

As for challenges, time management is the biggest one for me. Teaching and research are not only job duties for college professors. Services to the university, professional societies and the public are also important parts of our job responsibilities. However, often time, services could drain out our time and energy without notice. I am still learning how to balance my job duties and use my time more effectively.

When I face difficulties in my work, my inspiration comes from knowing the consequences of hard work. "No pains, no gains" is one of my favor mottos.

Jiele: All of us studying or working in the US desire to be successful. What's your definition of success? How to achieve that?

Lingjuan: my definition of success evolves with time. When I was a student, my definition of success was all "As" in course work and degrees from B.E. to Ph.D. After I fulfilled those short-term goals and started my career, my definition of success became "promotion to next level of job positions": assistant engineer, engineer, senior engineer, assistant professor, and so on.

In the past ten years, I experienced many life-changing

moments. Through numerous ups and downs in my professional and personal lives, my view of success has been shaped to different view. Now, in my mind, the "success" includes two aspects: (1) professional contributions to the society; (2) the way we live. Specifically I believe success means "making the best contribution to the society" and "living with integrity and clear conscience". The best contribution comes from the best effort in our work. Do our best, that's what matters.

Jiele: What are the best three advices you will give to the student members concerning their career development?

Lingjuan: (1) love what you do, (2) commit to what you do with passion, (3) be a GOOD team player.

Jiele: All former AOC Presidents were tenured professors when they ran for AOC president. What motivated you to run for the AOC President as a junior faculty? I remember that you said you would bring "change" to AOC in your campaign speech last year in Rhode Island. What "change" do you plan to bring to AOC next year?

Lingjuan: when I think back, running for the AOC president was a very brave decision I had ever made. In the early time, as a graduate student in overseas, I observed the birth of the AOC, and then, my career grows with the growth of AOC. The passions and contributions of the AOC leaders and members made AOC a special place in my heart.

I would also like to use my campaign statement in last June to answer this question and the question about "change":

"Like Senator Barack Obama for the U.S. presidential election, my path to this AOC presidential campaign is also short. As a junior faculty, I may be somewhat "inexperienced" and "young" (not in "age", though) to run for this position. However, as a loyal member of AOC, I feel I am obligated to serve AOC the best of my abilities. Here I am!"

Unlike Mr. Obama's call for "CHANGE", I call for "CONTINUATION" instead. Continue our passion for AOC! Continue our commitment to AOC! Continue our confidence in AOC! Following the great examples of the previous leaders of AOC, and having the gracious support from all AOC members and friends, I am confident that I will be able to serve as the president of AOC the best of my abilities and beyond!"

Jiele: As the incoming president of AOC, can you briefly share with us your plan to make AOC better serve its members in your term? What is the biggest challenge in your future work?

Lingjuan: I consider myself as no more than a team

player on this position. It will be a learning process for me in order to serve the society to my best capability. As I stated in the campaign speech, my plan to serve our AOC by continuing great work that current and the past AOC leaders have established. I will work with the team and all the AOC members for better serving this great society, our own AOC.

There will be challenges ahead of me, of which, the biggest one will be “inexperience”. But I know I will not be alone. Gracious support from the AOC family and friends will ensure me to serve to the best of my capability.

Jiele: Can you tell us something about your family? Did you have to sacrifice your family time when you need to advance your career? What’s your biggest regret and satisfaction?

Lingjuan: I am blessed with a family of three. My daughter is a rising sophomore in a prestigious college majoring in biology and my husband is a research engineer working for U.S. cotton industry.

As I think back, I did sacrifice a lot of my family time for my career development. Time passed by, whenever we had discussion about our old days, my daughter would remind me of the time when I had to work in the lab/office and left her alone at home playing puzzles during the weekends or in the evenings. It was not easy

for a 4th grader, 5th grader.... at the time. If I could have a second chance to live those days again, I would manage my time differently so that my family life and professional life could be better balanced.

The biggest regret in my life is the fact that I sinned in my marriage. However, the forgiveness from the Cross saved my family. Now, I am living every day with great satisfaction and gratitude for the love from my family and the above!



The University of Georgia: the First American Public University

By Changying Li



The University of Georgia (UGA) is the oldest public university in the United States. Founded in 1785, The University of Georgia is America's first state chartered university and the birthplace of the American system of public higher education. In fact, two years after its birth, the first UGA President, Abraham Baldwin, along with a member of the Board of Trustees, signed the Constitution on behalf of Georgia at the Constitutional Convention in Philadelphia, Pa., in 1787, marking the birth of the United States.

The University of Georgia (UGA) located in Athens, Georgia is a sea- and land-grant institution and Georgia's flagship institution of higher education. The UGA has an annual budget of over \$1.3 billion and an annual enrollment of over 34,000 students and 2800 faculty. It is also one of the most comprehensive research universities in the nation with 16 schools and colleges, offering degrees in over 163 fields with professional schools in Law, Business, Pharmacy and Veterinary Medicine.



It has ranked among top 20 public universities in the U.S. consistently in the past decade by publications such as U.S. News & World Report and Business Week. It has also been recognized as one of the South's three Public Ivies (the other two are University of Texas at Austin and University of Florida). Its main campus, Athens, ranks one of the best college towns and most livable cities in the nation due to its rich culture, mild climate, and proximity to the international

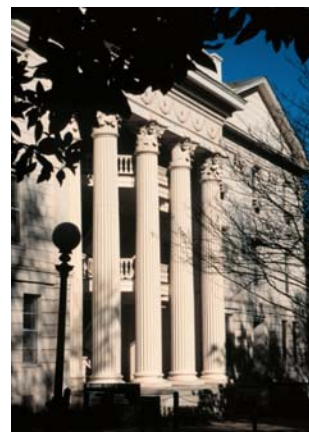
city Atlanta. UGA also hosted soccer, volleyball, and gymnastics games during the 1996 Summer Olympics Games held in Atlanta.

Research and Facilities

UGA received a total of \$137.3 million in research awards, grants and contracts in fiscal year 2008. Research expenditures in FY07 totaled \$332.6 million. UGA earned \$23.75 million in income from licensing agreements in 2008. The University ranked 19th in licensing income among 150 U.S. public and private universities, and 10th among public institutions, in a survey conducted by the Association of University Technology Managers.

Nine University faculty members have been elected to the National Academy of Sciences; ten faculty members have been elected to the American Academy of Arts and Sciences; two faculty members have been elected to the National Academy of Engineering; one faculty member has been elected to the National Institute of Medicine. The late Dr. Eugene Odum, Alumni Foundation Distinguished Professor Emeritus of zoology and Callaway Professor Emeritus of ecology, received the 1987 Crafoord Prize from the Royal Swedish Academy of Sciences. The academy, which presents the Nobel Prize, gives the Crafoord Prize in fields for which the Nobel is not given. The following facilities and research programs are highlighted on the UGA website:

- The Complex Carbohydrate Research Center was created in 1985 as the first facility in the world devoted specifically to the study of complex carbohydrates. Complex carbohydrates play key roles in regulating growth, development, cellular communication, gene expression and disease resistance in microbes, plants and animals. Because they help give shape to cells and organs, complex carbohydrates can play an important role



in human diseases. The CCRC is home for three federally designated centers for carbohydrate research, and is a Georgia Research Alliance-supported regional center for nuclear magnetic resonance spectroscopy. With about \$6.8 million annually in research awards, the CCRC is one of UGA's largest research units in terms of funding.

- UGA's Center for Applied Isotope Studies is one of a few places in the country where a research machine called an accelerator mass spectrometer is located. The spectrometer, which allows scientists to obtain precise measurements from extremely small samples, is used primarily to count the number of carbon-14 atoms in a chemical or biological sample. Carbon-14 dating is critical for research in environmental pollution, drug therapy and fields such as geology, hydrology and oceanography.
- The Paul D. Coverdell Center for Biomedical and Health Sciences opened in 2006. The 200,000-square-foot, \$40 million facility — named for the late senior U.S. senator from Georgia — provides space for faculty to conduct research in such areas as biomedicine, agriculture, ecology and environmental sciences, and is the home of UGA's Biomedical and Health Sciences Institute.
- More than 80 UGA scientists, engineers and economists are conducting basic and applied research on using Georgia's rich natural resources to create sustainable fuels that benefit the economy and the environment. Collaborating through the Biofuels, Biopower and Biomaterials Initiative (B3I), the researchers are studying how such products as wastewater algae, waste chicken fat from poultry processing and wood chips from timber scraps can be processed into biofuels. Other research focuses on producing ethanol from the tough, fibrous parts of agricultural wastes, and from such plants as poplar trees, napier grass and switchgrass.
- UGA animal and dairy scientists are working to develop a method of culturing a stable stem cell line that could be used to help cure Parkinson's and other diseases and for possible treatment of spinal cord injuries. The cells, which can be directed homogeneously down neural pathways, could be used in drug discovery assays for neurological diseases, and could be used to test environmental toxins for their effects on the human neural system.
- UGA library is one of the best research libraries in the nation. It has more than 4.5 million volumes and one of nation's largest map collections.

Students and Recreation

UGA students annually receive some of the most prestigious scholarships awarded to American undergraduates. In 2007, UGA was the only public university to have two recipients of the Rhodes Scholarship, giving UGA a total of 21 Rhodes Scholars in its history. One student received a 2008 Barry M. Goldwater Scholarship, giving UGA a total of 33 Goldwater recipients, and one student received a 2008 Harry Truman Scholarship, bringing the total number of UGA Truman winners to 15. A student also received a Morris Udall Scholarship in 2008, the third in recent years. In the 2007-2008 academic year, UGA was the only public university in the country with winners of Rhodes, Truman, Goldwater and Udall scholarships. Other scholarships UGA students have received in recent years include the Marshall (4), Mellon (4) and Gates-Cambridge (4).

UGA students also have rich international experiences. UGA ranks 5th among the top 20 research universities in the number of students studying abroad. Nearly 30 percent of UGA undergraduates are involved in some form of international education each year. Many participate in nearly 170 study abroad and student exchange programs UGA conducts in more than 60 countries. UGA is 2nd in the number of students who travel on short-term study abroad.

The 425,000-square-foot Bernard B. and Eugenia A. Ramsey Student Center for Physical Activities is one of the largest and most comprehensive fitness/exercise facilities for students and faculty in the country, and has been rated by Sports Illustrated as the nation's best such facility. Covering some 5 ½ acres, the Ramsey Student Center contains gymnasiums, recreational and competition swimming pools, racquetball courts, a volleyball gymnasium, weight training rooms, dance studios and concert seating. It also contains classrooms, research labs and administrative and faculty offices for the School of Health and Human Performance.



UGA “Bulldogs” have won 30 national championships, including 20 since 1999. UGA is 10th in the 2008 Directors’ Cup standings, the annual ranking of the nation’s best all-around collegiate athletics programs. Sports Illustrated ranked UGA 6th on its list of best colleges for women athletes. UGA has more than 250 female athletes on its 12 women’s varsity teams, and also has 27 club sports for women. The 76,481 fans who watched the women’s Olympic Gold Medal soccer game in Sanford Stadium at UGA campus Aug. 1, 1996, was at the time the largest number of people ever to attend a women’s sports event.



College of Agricultural and Environmental Sciences

The CAES is one of the oldest and among the best US colleges of agriculture. The college’s nearly 700 faculty on three teaching, research and extension campuses in Athens, Griffin and Tifton and nine research and Extension Centers distributed through the state of Georgia support the CAES’s statewide research and extension mission. Its 2007 research budget of \$74.9 million was the largest for the university and ranks 4th largest in the United States for all Colleges of Agriculture. With its 10 disciplinary departments and offering 24 undergraduate majors, 19 Masters Programs, and 11 PhD programs, the CAES is truly a

comprehensive and unique college of CAES.

BAE Department

The University of Georgia began offering engineering degrees over 130 years ago. The BAE Department was the only academic engineering unit at UGA from 1932 until the establishment of the Faculty of Engineering in 2001. Therefore, the academic offerings of the BAE Department are more diverse than similarly-named departments elsewhere, including fundamental courses in all areas of engineering as well as the agricultural and biological specializations. Indeed, the BAE Department incorporates a diversity of offerings equivalent to that found in many comprehensive schools of engineering. In 2000, under the leadership of BAE Department faculty, UGA identified the establishment of comprehensive engineering as a strategic university initiative for the first decade of the 21st century. This resulted in the establishment of the Faculty of Engineering in 2001 with the leadership of BAE Department faculty. The Faculty of Engineering now offers several engineering degree programs and, with the strong support and heavy engagement of the faculty of the BAE Department, the Faculty of Engineering will likely evolve into a school of engineering in the near future. Two BAE faculty members have been elected to the National Academy of Engineering, one of the highest distinctions in the field of engineering. They are Dr. S. Edward Law, the D. W. Brooks Professor of biological and agricultural engineering, and Dr. Stuart O. Nelson, adjunct professor of biological and agricultural engineering. Dr. Changying Li is the only Chinese faculty member in the BAE Department actively involving in AOC. His research program focuses on developing and applying sensing and automation technologies to advance the efficiency of food and fiber production system.

AOC President Zhongli Pan Attended the Award Ceremony



潘忠礼同2008影响世界华人终身大奖获得者金庸先生在亲切交谈



潘忠礼同神七航天员在一起



潘忠礼在颁奖台上



潘忠礼获奖后接受记者提问



中国政协副主席张梅颖为潘忠礼颁发2008影响世界华人大奖



黑龙江省省长栗战书及黑龙江省有关领导会见潘忠礼和张瑞红夫妇



潘忠礼在发表获奖感言



潘忠礼同凤凰卫视著名主持人吴小莉合影