



MEETINGS & SESSIONS

Sunday, July 9

OPENING CHAPEL

SUNDAY, JULY 9

8:00AM-9:00AM

Location: Oregon Ballroom 201/202

The Preprofessional/Student Community of ASABE would like to invite you to attend their opening chapel service.

Event #9

ITEM WRITING SESSION FOR THE PROFESSIONAL ENGINEERS EXAM (ED-414)

SUNDAY, JULY 9

8:00AM-5:00PM

Location: B116

Professional engineers registered in the United States are invited to assist in the preparation of the Agricultural Engineering Professional Engineers exam in this PE item writing session. Proof of professional licensure is required to attend this special session. Those assisting will earn professional development hours toward their PE registration requirements in many states. First time participants to this session should contact Rod Huffman, rod_huffman@ncsu.edu or 919-515-6740, for more information. Registration is required to attend this session.

COST: No charge for registered professional engineers

ALPHA EPSILON NATIONAL HONOR SOCIETY ANNUAL MEETING

SUNDAY, JULY 9

3:00PM-4:30PM

Location: A107

The annual Alpha Epsilon National Honor Society Meeting will be held, and all current members and advisors from active chapters are encouraged to attend.

COMMITTEE CHAIR TRAINING

SUNDAY, JULY 9

5:00PM-6:00PM

Location: EXHIBIT HALL STAGE

Understand the role of ASABE in the agricultural and biological engineering industry and capitalize on the various member services and benefits. Hear explanations of operations by key staff and member volunteers. This training will empower members to do more with available tools and existing programs.

INTERNATIONAL AND FIRST-TIME ATTENDEES WELCOME RECEPTION

SUNDAY, JULY 9

5:45PM-6:30PM

Location: EXHIBIT HALL A

Non-U.S. attendees, guests with international interests, ASABE members, and first-time meeting attendees are invited to attend this reception. The International Affairs Committee, members of ASABE staff, and representatives from the ASABE Board of Trustees will be available to answer questions and provide information about the Society. Following the welcome and brief overview of the meeting, attendees are encouraged to join the general welcome reception from 6:30PM-8:00PM.

ASABE WELCOME RECEPTION

SUNDAY, JULY 9

6:30PM-8:00PM

Location: EXHIBIT HALL A

All meeting registrants are invited to attend this welcome reception. Start off the evening with a welcome from ASABE's President Otto Loewer and get acquainted with the general ASABE population in addition to networking with other attendees. Come relax and enjoy an informal evening with other ASABE members. Cash bar.

OKLAHOMA STATE UNIVERSITY ALUMNI AND FRIENDS SOCIAL

SUNDAY, JULY 9

8:00PM

Location: A108

Come join members of the Oklahoma State University biosystems engineering family for good food and fellowship. Spend the evening at one of Portland's fine restaurants and catch up with old friends.

Monday, July 10

WHAT YOU DIDN'T KNOW ABOUT ASABE?

MONDAY, JULY 10

7:00AM-8:00AM

Location: B112

An information session hosted by the Young Professionals Community to introduce new and old members alike to the many opportunities available in ASABE. Topics to be addressed include Getting the Most out of Meetings, ASABE Communities, ASABE History, Professional Licensure and how to get approval and funding to attend meetings and conferences.

GENERAL SESSION / KEYNOTE

MONDAY, JULY 10

8:30AM-9:30AM

Location: Oregon Ballroom 201/202

Renewable Energy for Tomorrow!

ASABE's Keynote speaker will address the needs of tomorrow, by looking to our nation's and world's search for solutions to build energy self sufficiency, strengthen national security; revitalize rural economies while continuing to protect the environment. America's farmers, ranchers and private forest landowners are addressing the challenge by advancing an ambitious, yet achievable, initiative that addresses these concerns. The vision: by the year 2025, America's working lands will provide 25 percent of the total energy consumed in the United States while continuing to produce abundant, safe and affordable food, feed and fiber.

To help accomplish this task, ASABE has endorsed the 25 X 25 program and believes it will be our members who help lead this charge.

"Renewable energy, where we grow our energy from the land, can provide a significant contribution towards making our country energy independent" says Charles Sukup, ASABE President Elect. "No other engineering society is better equipped to seize this opportunity and solve this problem than the American Society of Agriculture and Biological Engineers. The contribution that we can make is monumental" said Sukup. Today's speaker is a leading authority in renewable energy and is here at the 2006 Annual International Meeting in "green city" Portland to reach out to our membership by challenging each to look to renewable energy in everyone of our 50 states and around the world – from resources such as wind, solar, hydro and biofuels. Renewable energy today produces only 6% of America's total energy. Today's keynote speaker will ask the question, how will you contribute to tomorrow's energy needs...



New logos merchandise
available at the
ASABE Membership Booth
located in Exhibit Hall A



MEETINGS & SESSIONS

AE50 RECOGNITION PROGRAM

MONDAY, JULY 10

8:00AM-8:30AM

Location: Oregon Ballroom 201/202

The AE50 program annually recognizes the companies responsible for engineering development of the most outstanding innovations in product or system technology that have been introduced to the marketplace for use in food processing, agricultural production, or development and production of biological products. The winners embody the application of new technology or the innovative application of an existing technology. They have a broad impact on the industries they serve. The awards are determined by a panel of experienced ASABE members with representatives from each area of ASABE. Each winning entry must be deemed by this committee to be a worthwhile contribution to the advancement of food and agriculture. Plaques will be awarded.

Tuesday, July 11

THE NEXT 100 YEARS – SPECIAL SESSION

TUESDAY, JULY 11

8:00AM-9:30AM

Location: Oregon Ballroom 201

Robotic tractors, talking plants, peanut-flavored microbes, flu vaccines from cows milk, and rain on demand. Are these in our future? What will be the engineer's role? Will ASABE still be going strong, or will it be absorbed by the Bioengineering Organizational Group of the United States? Who, what, and how will things be in 2107? Come with your crystal ball in hand and compare visions with these noted prognosticators.

Moderator: Art Johnson

- 8:00AM Introduction
- 8:05AM John Dooley, Forest Concepts
- 8:15AM Art Johnson, University of Maryland
- 8:25AM Robert Lanphier, AGMED Inc.
- 8:35AM Otto Loewer, University of Arkansas
- 8:45AM Allen Rider, RCG
- 8:55AM Mark Riley, University of Arizona
- 9:05AM Norman Scott, Cornell University
- 9:15AM R. Wayne Skaggs, North Carolina State University
- 9:25AM Discussion

GRADUATE STUDENT RESEARCH AWARD COMPETITION

TUESDAY, JULY 11

9:30AM-12:30PM

Location: Oregon Ballroom 201/202

The Graduate Student Research Award consists of a written competition and an oral competition held during the ASABE Annual International Meeting.

ASABE JOB FAIR

TUESDAY, JULY 11

9:30AM-12:00PM

Location: Oregon Ballroom 203/204

The ASABE Job Fair provides an opportunity for employers and potential employees to come together informally to share information. Employers register their job positions at the membership desk and receive an interview table number. These openings are posted with the table numbers by registration for review. Prospective employees are invited to seek out employers of interest and exchange information.

ASABE BUSINESS MEETING

TUESDAY, JULY 11

1:30PM-2:30PM

Location: Oregon Ballroom 201/202

ASABE President Otto J. Loewer and President-elect Charles Sukup will preside.

DISTINGUISHED LECTURE

TUESDAY, JULY 11

2:30PM-4:00PM

Location: B115

“Soil Compaction: How to Do It, Undo It, or Avoid Doing It”

Authors: Randy Raper, USDAARS NSDL
Mac Kirby, CSIRO Land and Water, Australia

Our Distinguished Lecture Series is honored to have two outstanding presenters for this session. Mac Kirby is a 25 year authority in research and consultancy experience in environmental and industrial physics, applied to various agricultural and industrial problems within Australia and internationally. Co-presenter Randy Raper is also a 25 year specialist in soil compaction. Randy is presently the Lead Scientist and Agricultural Engineer for the United States Department of Agriculture's Agriculture Research Service's National Soil Dynamics Laboratory.

Mac Kirby's research interests include the areas of soil structure decline and management in compaction and tillage of agricultural soils; irrigation, drainage, crop water use and water balance of agricultural soils; landscape hydrology; large scale spatial water balances of catchments hydrology; disposal of fluid wastes and consolidation, particularly tailings of the mining industry; industrial filtration; transportation of bulk cargoes, handling of industrial materials; advanced statistical and numerical analysis of the above.

Mr. Raper's research interest include the areas of measurements predictions, management and alleviation of site specific soil compaction; development of soil sampling methods to determine variability of soil physical parameters; development of conservation tillage systems to manage site specific soil compaction; residue management to facilitate crop production.

PANEL DISCUSSION – RENEWABLE ENERGY & THE BIO ECONOMY

TUESDAY, JULY 11

2:30PM-4:30PM

Location: Exhibit Hall Main Stage

Experts will be discussing various renewable energy options facing our world from sources such as wind, solar, hydro and biofuels. Our panel will discuss the renewable energy economic impacts of these various options. Today's panel will also include the challenges facing the renewable energy push and the upside potential returns for communities, states and nations around the world.

ASABE FELLOW INDUCTION CEREMONY AND RECEPTION

TUESDAY, JULY 11

6:00PM-8:00PM

Location: Oregon Ballroom 204

All ASABE attendees are invited to this special recognition ceremony honoring the 2006 ASABE Fellows. Eleven ASABE members will receive this prestigious award. Join us for the reception immediately following the ceremony.

2006 ASABE Standards Book
available soon.
Order your copy today!



MEETINGS & SESSIONS

Event #40

ASSOCIATION OF OVERSEAS CHINESE AGRICULTURAL, BIOLOGICAL AND FOOD ENGINEERS (AOCABFE)

TUESDAY, JULY 11

6:00PM-7:00PM

Business Meeting, Dinner banquet to follow.

Location: B113

AOCABFE is a professional association with the primary goal of promoting and facilitating research and educational exchanges with China in areas of agricultural, biological and food engineering. Conference attendees with international interests are invited to attend the AOCABFE business meeting where the AOCABFE activities in 2005-2006 will be reviewed and plans for action for 2006-2007 will be discussed. There will be a dinner right after the business meeting at a location to be announced. The banquet will provide an excellent opportunity for socializing and networking. Awards will be presented to outstanding student members of AOCABFE at the banquet.

COST: \$50 per person

\$10 Students and Members from China

UNIVERSITY OF KWAZULU-NATAL BIORESOURCES ENGINEERING GET-TOGETHER

TUESDAY, JULY 11

6:00PM-10:00PM

Location: A106

Staff, alumni, and prospective students are invited to join us for this informal get-together, in order to renew old friendship and discuss future plans for UKZN's School of Bioresources Engineering and Environmental Hydrology. We will meet at the conference center and then walk to a nearby restaurant.

Wednesday, July 12

ABET PROGRAM EVALUATOR TRAINING

WEDNESDAY, JULY 12

8:00AM-5:00PM

Location: B115

For current and prospective program evaluators and program personnel wishing to know more about program accreditation, this is it!

Event #46

AWARDS RECOGNITION LUNCHEON

WEDNESDAY, JULY 12

12:00PM-2:30PM

Location: Oregon Ballroom 203/204

Plan to attend the most important recognition event of the year. Newly elected Fellows and recipients of major awards will be honored at this luncheon. Also recognized will be preprofessionals and other individuals that have made outstanding contributions to the profession during the past year. The installation of ASABE's 2006 President, Charles Sukup, will immediately follow the awards presentation.

ASABE Awards

- * PEI Professional Engineer of the Year
- * Evelyn E. Rosentreter Standards
- * Award for the Advancement of Surface Irrigation
- * Robert E. Stewart Engineering Humanities
- * NAMIC Engineering Safety
- * Mayfield Cotton Engineering
- * Kishida International
- * Rain Bird Engineering Concept of the Year
- * G. B. Gunlogson Countryside Engineering
- * Nolan Mitchell Young Extension Worker

- * A. W. Farrall Young Educator
- * Sunkist Young Designer
- * FPSA-FPEI Food Engineering
- * Hancor Soil & Water Engineering
- * Henry Giese Structures & Environment
- * Massey-Ferguson Educational
- * John Deere Gold Medal
- * Cyrus Hall McCormick-Jerome Increase Case Gold Medal

COST: Included with Full Meeting Registration
Additional tickets \$35.00 per person

NATIONAL SPRAY MODELING AND APPLICATION TECHNOLOGY - PROGRAM PROGRESS UPDATES

WEDNESDAY, JULY 12

5:00PM-7:00PM

Location: C126

This is a working group to review advances in application technology. The purposes are to: 1) exchange national and international information on spray model and application technology; 2) facilitate cooperation, partnerships, and economies; 3) identify model and application technology needs; and 4) support the advancement of technology for the safe, economical, and efficacious application of pest control agents.

Thursday, July 13

NATIONAL SPRAY MODELING AND APPLICATION TECHNOLOGY - DRIFT REDUCTION TECHNOLOGIES

THURSDAY, JULY 13

8:00AM-4:30PM

Location: Double Tree Hotel

This is a stakeholder technical panel meeting of the Drift Reduction Technology (DRT) project to discuss a draft protocol for measuring spray drift reduction. The goal of the DRT project is to encourage the use of DRTs, such as improved sprayer designs, low drift nozzles/atomizers, drift retardant spray adjuvants, and natural/artificial barriers that significantly reduce spray drift from ground boom or aerial applications to row and field crops. The DRT project is being conducted in partnership with leading government, industry, academic, and other stakeholders, to identify and foster the use of pesticide application technologies that can significantly reduce spray drift.

Available in November 2006. . .

Discover: futures in agricultural, food and biological engineering



A must-have guide for students considering careers in agricultural, food and biological systems engineering. Prospective students glean info on career paths; salary expectations; educational, international, and other opportunities. This issue is the fourth version of the highly successful Discover published in February 1998, August 2000, and November 2003.