

**2012 ASABE Annual International Meeting**  
July 29 – August 1, 2012 – Hotel Anatole - Dallas, Texas

## **CALL FOR PAPERS**

(All sessions are lecture unless otherwise noted in the session title)

[Deadline for submitting abstracts: DECEMBER 2, 2011](#)

**Please submit all abstracts online:**

[http://imis.asabe.org/meetings/cfp/call.cfm?mtg\\_code=aim2012](http://imis.asabe.org/meetings/cfp/call.cfm?mtg_code=aim2012)

### **BIOLOGICAL ENGINEERING**

- BE-1**      **Biological Engineering Poster Session** - Sponsored by BE-01    Posters will be presented on all aspects of biological engineering.
- BE-2**      **Ecological Engineering Education** - Sponsored by BE-22, ED-203    Short presentations will be followed by extended periods for discussion. Topics are expected to include: service learning, challenges and opportunities in curriculum development, laboratory courses, and new undergraduate and graduate course.
- BE-3**      **Applications of Ecological Engineering** - Sponsored by BE-22  
Presentations include incorporating ecological sciences in engineering, developing and designing ecosystems for environmental protection, creation and restoration of ecosystems, and more.
- BE-4**      **Modeling Biological Processes** - Sponsored by BE-26
- BE-5**      **Synthetic Biology for Bioenergy and Bioproducts** - Sponsored by BE-28
- BE-6**      **Bioprocessing of Value-Added Co-Products** - Sponsored by BE-28, FPE-709
- BE-7**      **Challenges in Lignocellulosic Conversion** - Sponsored by BE-28, FPE-709  
This session invites papers that address challenges in pretreatment and enzymatic hydrolysis to convert biomass containing lignin and cellulose to fermentable sugars. It also welcomes papers on technologies that integrate conversion of biomass to sugars and the fermentation of sugars to liquid fuels, such as simultaneous saccharification and fermentation and consolidated bioprocessing.
- BE-8**      **Wetlands Engineering and Restoration** – Sponsored by BE-22
- BE-9**      **Monitoring and Modeling of Pathogens and Pathogen Indicators** –  
Sponsored by BE-22, SW-224
- BE-10**     **Nutrient Removal, Recovery and Recycle** – Sponsored by BE-22
- BE-11**     **Low Impact Development** – Sponsored by BE-22

- BE-12**      **Ecosystem Services** – Sponsored by BE-22  
**BE-13**      **Emerging Contaminants** – Sponsored by BE-22

## **EDUCATION**

- ED-1**      **Innovations in Curriculum** - Sponsored by ED-205, ED-206

## **ENERGY**

- E-1**      **Carbonized Biomass Utilization & Application** - Sponsored by T-11, FPE 709, SW-26 This session is intended to include biochar/char (pyrolysis solid by-product) research at lab scale-testing as well as pilot and field-scale. It is intended to exclude production and focus on application and utilization in activities related to (but not limited to) energy, fertilizer and soil improvements.
- E-2**      **New Frontiers in Bioenergy - Posters** - Sponsored by T-11, FPE-709, SE-414, BE-28, PM-23/7/2, T-12
- E-3**      **Woody Biomass Processing and Conversion** - Sponsored by T-12
- E-4**      **Value-Added Biocomposites and Biochemicals from Forest and Agricultural Biomass** - Sponsored by T-12, T-11, FPE-709 Session to cover biocomposites and biochemicals produced from biomass (in particular woody biomass). This section will also emphasize value-added materials produced from residuals obtained from biorefining and bioenergy processes.
- E-5**      **Forest Based Biomass: Harvesting, Processing, Transport, and Storage** - Sponsored by T-12, T-11, FPE-709, SE-414, PE 23/7/2, BE-28 The session focuses on various issues involved in haresting, processing, transport and storage of forest based biomass for bioenergy, biorefining, and other traditional applications.
- E-6**      **Energy Management in Agriculture** – Sponsored by T-11, SE This session focuses on applied energy management and efficiency improvements in production systems (e.g., energy audits, fuel switching, utility pricing structures).

## **ERGONOMICS SAFETY & HEALTH**

- ESH-1**      **Case Studies in Addressing Disabled Farmer Needs** - Sponsoring Committee: ESH
- ESH-2**      **AgrAbility** - Sponsoring Committee: ESH
- ESH-3**      **Underserved Populations** - Sponsoring Committee: ESH
- ESH-4**      **Surveillance of Agricultural Safety and Health** - Sponsoring Committee: ESH

**ESH-5**      **Safety Implications of Agricultural Machinery on Roadways** - Sponsoring Committee: ESH

**ESH-6**      **Ergonomics** - Sponsoring Committee: ESH

## **FOOD & PROCESS ENGINEERING**

**FPE-1**      **Physical Properties and Effects on Drying, Handling and Processing** - Sponsored by FPE-701, FPE-701

**FPE-2**      **Advances in Nondestructive Testing of Agricultural, Biological and Food Products** – Sponsored by FPE-701

**FPE-3**      **Physical Properties of Biocomposites and Bioproducts** – Sponsored by FPE-701

**FPE-4**      **Impact of Physical Properties on End Use Functionality of Biological Materials** – Sponsored by FPE-701

**FPE-5**      **Food Safety Engineering** - Sponsored by FPE-703

**FPE-6**      **Microwave and Radio Frequency Heating and Drying in Agricultural and Food Processing** - Sponsored by FPE-703

**FPE-7**      **Food and Bioproducts Modeling** - Sponsored by FPE-703

**FPE-8**      **Energy Efficiency in Food and Agricultural Processing** - Sponsored by FPE-703

**FPE-9**      **Microstructure and Texture of Foods** - Sponsored by FPE-703

**FPE-10**     **Emerging Technologies in Food Processing** - Sponsored by FPE-703

**FPE-11**     **Spectroscopy and Spectroscopic Sensing** - Sponsored by FPE-703, IET-348

**FPE-12**     **Physical and Chemical Properties of Bioresource Products and Coproducts** - Sponsored by FPE-703, FPE-707, FPE-709, BE-28

**FPE-13**     **Drying, Handling, and Storage of Crops for Food and Energy** - Sponsored by FPE-703, FPE-702, FPE-709

**FPE-14**     **Physical Properties of Biocomposites and Bioproducts** - Sponsored by FPE-703, FPE 701

**FPE-15**     **Biosensors and Bio-Instrumentation** - Sponsored by FPE-703, IET-353

**FPE-16**     **Food and Process Engineering Division Poster Session** - Sponsored by FPE-703, IET-348, IET-217

**FPE-17**     **Anaerobic Digestion Advances in Manure, Food and Organic Waste** - Sponsored by FPE-707, SE-412, T-11

**FPE-18**     **Advances in Coproduct and Byproduct Management and Utilization** - Sponsored by FPE-707, FPE-709, BE-2

**FPE-19**     **Liquid Biofuel Engine Testing and Performance** - Sponsored by FPE-709

**FPE-20**     **Co-processing of Biomass with Coal or Other Waste Material (tires, MSW, plastics, industrial/agricultural waste)** - Sponsored by FPE-709, T-

12, T-11, FPE-709, SE-414, PE 23/7/2, BE-28 The co-processing session focuses on simultaneous processing of biomass with either coal or other wastes like tires, MSW, plastics, industrial/agricultural waste to produce new value added products, chemicals, or energy.

- FPE-21 Energy Policy, Greenhouse Gas Emissions (GHG), Carbon Value Estimation, Carbon Credits, and Carbon Trading** - Sponsored by FPE-709, T-12, T-11, FPE-709, SE-414, PE 23/7/2, BE-28 The session focuses on implications of energy policy, GHG regulations, carbon credits and carbon trading regulations on the energy industry (renewable and non-renewable sources). In addition, the session will also accept research papers on carbon value and carbon-foot print analysis of bioproduct, biorefining processes, biochemicals, biofuels and other renewable energy sources.
- FPE-22 Biomass Feedstock Supply Logistics and Preprocessing** - Sponsored by FPE-709, PM-23/7/2 This session invites papers from biomass collection, size reduction, bulk transport, densification including compaction, pelleting, briquetting, cubing and agglomeration and torrefaction technologies and feedstock storage issues.
- FPE-23 Biomass Sustainability & Life Cycle Assessment of Bioenergy Systems** - Sponsored by FPE-709, BE-28; T-11, T-12 This session invites papers in wide range of topics from sustainable production of biomass feedstock including forest biomass, energy crops, Ag. Residues and microalgae, sustainability of bioenergy systems, carbon foot-print analysis, net energy balance study, life cycle assessment of various conversion technologies and LCA of bioproducts and chemicals.
- FPE-24 Production, Processing and Conversion of Algae for Biofuels** - Sponsored by FPE-709, BE-28 This session invites papers in the area of algal biomass production using raceways and photo bioreactors, dewatering and harvesting technologies, lipid extraction, drying and various conversion technologies to produce fuels, chemicals and bioproducts.
- FPE-25 Production of Value added Chemicals and Bioproducts from Biomass** - Sponsored by FPE-709, BE-28 This session invites papers from processing of biomass to produce value-added products and chemicals during various conversion platforms. Example, chemical intermediates, fuel additives, adhesives, and bioplastics etc.
- FPE-26 Advanced Drop-in Biofuels from Biomass** - Sponsored by FPE-709, T-11 & T-12 This session invites papers from recent advances in production of drop-in-biofuels such as green diesel, green petrol, jet fuels, biodiesel, bio-coal, biogas and bio-crude from various types of feedstocks, energy and cost assessments, other practical challenges.
- FPE-27 Biomass Catalytic and Thermo-Chemical Conversion Processes- Pyrolysis and Liquefaction** - Sponsored by FPE-709 This session invites papers from biomass pyrolysis technologies, high pressure liquefaction, co-products evaluation, reactor performances, energy analysis, cost estimates and catalytic upgrading processes

- FPE-28**      **Biomass Catalytic and Thermo-Chemical Conversion Processes-Gasification** - Sponsored by FPE-709    This session invites papers from biomass gasification reactor performances, tar measurements and control, steam reforming, syngas cleaning, F-T synthesis, energy analysis, cost estimates and downstream conversion technologies.
- FPE-29**      **Liquid Biofuels Development Research** - Sponsored by FPE-709, BE-28    This session invites papers on technologies to biologically produce liquid biofuels such as ethanol, butanol and higher alcohols from various biomass feedstocks including energy crops, agricultural residues, and wood.
- FPE-30**      **Processing and Conversion of Biomass/Coal Mixtures** - Sponsored by FPE-709, T-11, T-12    This session invites papers from co-processing and conversion of biomass and coal mixtures in various thermo-chemical conversion processes, biomass/coal mixture handling, storage and related issues.
- FPE-31**      **Advances in Multispectral and Hyperspectral Properties of Agricultural, Biological, and Food Products** - Sponsored by FPE-701
- FPE-32**      **Spectral Scattering Technology for Food Quality and Safety** - Sponsored by FPE-701    This session focuses on methods, techniques and mathematical modeling for measuring or quantifying light absorption and scattering in food and biological materials and their applications for food quality and safety evaluation.

## **INFORMATION & ELECTRICAL TECHNOLOGIES**

- IET-1**      **IET Paper Award** - Sponsored by IET-01    The ASABE Information and Electrical Technologies Division is once again sponsoring the IET Select Meeting paper Award for the 2012 ASABE AIM in Dallas. Award-winning papers will be selected from those submitted for IET sponsored technical session. To be eligible for the award, your paper must be submitted and the presenter must be registered by the paper submission deadline. No other application is necessary. The purpose of the award is to promote the development and presentation of high quality papers. Join in and compete for this award!!
- IET-2**      **General Informational and Electrical Technologies (IET) - POSTERS** - Sponsored by IET-01    The session solicits submissions of general posters on the use of informational electrical technologies for applications in agriculture.
- IET-3**      **Advanced Computational Methods for Simulation Modeling** - Sponsored by IET-217    The session solicits papers on computational methods for use with computer simulation models, including sensitivity analysis, parameter estimation, finite element analysis, data assimilation, optimization, etc.
- IET-4**      **Bioenergy Simulation, Modeling, Informatics, and Analysis** - Sponsored by IET-217

- IET-5**      **Applications of Crop Growth Models** - Sponsored by IET-217, BE-26
- IET-6**      **Computational Methods, Simulations, and Applications - POSTERS** -  
Sponsored by IET-217
- IET-7**      **Agricultural Applications of Mobile Devices** - Sponsored by IET-254, PM-54
- IET-8**      **Social Media in Extension and Education** - Sponsored by IET-254, ED-208, ED-203
- IET-9**      **Developing Agricultural Applications for Handheld Mobile Devices** -  
Sponsored by IET-254, PM-54
- IET-10**     **Managing Large Software Projects, an Open Source Approach** -  
Sponsored by IET-254
- IET-11**     **Emerging Information Technologies** - Sponsored by IET-254, IET- 217,  
IET-312, IET-318
- IET-12**     **Machine Vision for Agricultural and Food Applications** – Sponsored by  
IET-312
- IET-13**     **Machine Vision for Agricultural Automation and Management** –  
Sponsored by IET-312
- IET-14**     **Machine Vision for Autonomous Vehicles and Robotics** – Sponsored by  
IET-312
- IET-15**     **Spectroscopic Applications and Dielectric Sensing for Food and  
Agriculture** - Sponsored by IET-348
- IET-16**     **Spectroscopic Sensing Applications** - Sponsored by IET-348
- IET-17**     **Spectroscopy and Spectroscopic Sensing** - Sponsored by IET-348
- IET-18**     **Electromagnetics and Spectroscopy Techniques - POSTERS** - Sponsored  
by IET-348
- IET-19**     **Advances in Instrumentation and Controls** - Sponsored by IET-353
- IET-20**     **Application of Energy Efficient Electrical Technologies** - Sponsored by  
IET-433, SE-403, SE-302, SE-303

## **INTERNATIONAL**

- INTL-1**     **Trends in the Agricultural and Biological Engineering Practices in  
Developing Countries** - Sponsored by INTL-601

## **POWER & MACHINERY**

- PM-1**      **Advances in Pesticide Application and Drift Reducing Technologies** -  
Sponsored by PM-23/6, PM-54
- PM-2**      **Field Studies of Spray Application and Drift Reducing Technologies** -  
Sponsored by PM-23/6, PM-54

- PM-3**      **Advances in Pesticide Application and Drift Reducing Technologies - POSTERS** - Sponsored by PM-23/6, PM-54
- PM-4**      **Handling, Storage, Transport and Processing of Biomass Feedstocks** - Sponsored by PM-23/7/2, FPE-702; FPE-709; PM-43
- PM-5**      **Harvest Systems for Biomass Feedstocks** - Sponsored by PM-23/7/2, FPE-702; FPE-709; PM-43
- PM-6**      **Engineering for Forage Harvest and Storage** - Sponsored by PM-23/7/2, FPE-702; FPE-709; PM-43
- PM-7**      **Organic Production Equipment and Practices** - Sponsored by PM-42, PM-48
- PM-8**      **Gleaning Machinery Management Data from CAN Networks** - Sponsored by PM-43
- PM-9**      **Machinery Management and Logistics** - Sponsored by PM-43
- PM-10**     **Geospatial Technologies and Analysis for Management Decision Making** - Sponsored by PM-43, PM-54
- PM-11**     **Advances in Tractive and Transport Efficiency** - Sponsored by PM-46, PM-45, PM-43, PM-42, PM-48
- PM-12**     **Specialty Crop Engineering – Part 1, Part 2, Part 3** – Sponsored by PM-48, FPE-712
- PM-13**     **Machine Vision Systems for Specialty Crops** – Sponsored by PM-48, FPE-712, IET-312
- PM-14**     **Sensors and Controls for Precision Agriculture** - Sponsored by PM-54, IET-353 The session solicits papers on the use of sensors and control systems for precision agriculture applications. Topics include wireless sensor networks, feedback control systems, automatic guidance, autonomous vehicles, robotic systems, etc.
- PM-15**     **Variable Rate Technology for Precision Agriculture** - Sponsored by PM-54 The session solicits papers on variable rate application technology for precision agriculture, including variable rate application systems, spray pattern characterization, application uniformity, prescription map development, etc..
- PM-16**     **Yield Monitoring and Yield Estimation Techniques** - Sponsored by PM-54, PM-48 The session solicits papers on development and testing of yield monitors, yield monitor calibration, and methods for analysis of yield monitor data.
- PM-17**     **Spectral Sensing for Precision Agriculture** - Sponsored by PM-54, IET-348 The session solicits papers on the use of optical sensors in precision agriculture, including multispectral and hyperspectral devices, active and passive sensors, data processing algorithms, and field applications.
- PM-18**     **On-the-Go Soil Sensors for Precision Agriculture** - Sponsored by PM-54, IET-312 The session solicits papers on the use of sensors for estimation of

soil properties, including sensing devices, real-time sensing systems, data processing algorithms, and field applications.

- PM-19** **On-the-Go Crop Canopy Sensing Systems** - Sponsored by PM-54, IET-312, IET-353 The session solicits papers on the use of sensors to monitor crop canopy growth and development, including sensing devices, real-time sensing systems, data processing algorithms, and field applications.
- PM-20** **Economic and Environmental Benefits of Precision Agriculture** - Sponsored by PM-54 The session solicits papers that analyze the economic and environmental benefits of precision agriculture, in terms of increased productivity or economic return and decreased losses of nutrients and pesticide to the environment.
- PM-21** **Mobile and Cloud Technologies for Precision Agriculture** - Sponsored by PM-54, IET-254 The session solicits papers on the use of mobile and cloud computing technologies for applications in precision agriculture.
- PM-22** **Innovations in Education and Outreach for Precision Agriculture** - Sponsored by PM-54
- PM-23** **Precision Aerial Applications** - Sponsored by PM-54 The session solicits papers on the use of aerial vehicles for applications in precision agriculture, including remote sensing data acquisition platforms, unmanned aerial vehicles, data processing algorithms, and field applications.
- PM-24** **Precision Agriculture - Poster Session** - Sponsored by PM-54 The session solicits general posters on precision agriculture technology and applications.

## **STRUCTURES & ENVIRONMENT**

- SE-1** **Animal Responses and Environments** - Sponsored by SE-301
- SE-2** **Energy Use in Livestock and Poultry Facilities** - Sponsored by SE-302, SE-402, SE-403, SE-404, SE-405
- SE-3** **Innovative Systems and Resource Savings Strategies in Controlled Environments** - Sponsored by SE-303
- SE-4** **Greenhouse and Nursery Technology Applications** - Sponsored by SE-303
- SE-5** **Urban Agriculture and Green Roofs** - Sponsored by SE-303
- SE-6** **Measurement and Mitigation of Gaseous Pollutants from Livestock and Poultry Housing - Part 1** - Sponsored by SE-305, SE-40, SE-412
- SE-7** **Measurement and Mitigation of Gaseous Pollutants from Livestock and Poultry Housing - Part 2** - Sponsored by SE-305, SE-40, SE-412
- SE-8** **Air Quality as Related to Agricultural Waste Management** - Sponsored by SE-305, SE-412
- SE-9** **Particulate Matter Emission Factors and Abatement Strategies** - Sponsored by SE-305
- SE-10** **Air Quality Modeling** - Sponsored by SE-305

- SE-11**      **Measurement and Mitigation of Gaseous Pollutants from Livestock and Poultry Manure Storage and Treatment Systems Part 1** - Sponsored by SE-305
- SE-12**      **Measurement and Mitigation of Gaseous Pollutants from Livestock and Poultry Manure Storage and Treatment Systems Part 2** - Sponsored by SE-305
- SE-13**      **Structures and Environment Division Poster Session** - Sponsored by SE-305, SE-20, SE-412, SE-30
- SE-14**      **Manure-to-Energy** - Sponsored by SE-412, SW-263
- SE-15**      **ABAMMMS (Agricultural By-products, Animal Manure & Mortality Management Systems)** - Sponsored by SE-412, SW-263
- SE-16**      **ABAMMMS (Agricultural By-products, Animal Manure & Mortality Management Systems) - Posters** - Sponsored by SE-412, SW-263
- SE-17**      **Heat and Power Generation from Renewable Energy** - Sponsored by SE-414, T-11, FPE-709
- SE-18**      **Bulk and Biomass Loads and Storage Systems** – Sponsored by SE-20
- SE-19**      **Design, Analysis, Testing and Assembly of Structures** – Sponsored by SE-20
- SE-20**      **Agri-Industrial Facility Design and Operation** – Sponsored by SE-20

## **SOIL & WATER**

- SW-1**      **Models and Apps for Managing Water Resources – (CAFÉ SESSION)**  
Sponsored by SW-02    The new Café Session format gives attendees a “bite” of research results followed by ample time for in-depth interaction. Presenters give brief, results-oriented oral presentations (2-3 minutes, 1-2 slides each) after which attendees circulate among presenters for one-on-one discussion and demonstrations. All forms of tablet, smart-phone, or laptop models/apps are encouraged.
- SW-2**      **Advanced Technological Application in Water Quality Monitoring and Modeling** - Sponsored by SW-21, BE-22
- SW-3**      **Surface and Groundwater Interactions on Water Quality and Quantity** - Sponsored by SW-21, SW-252
- SW-4**      **Surface Transport of Biotic and Non-Biotic Colloids (Invited)** - Sponsored by SW-21, SW-253
- SW-5**      **Role of Forest and Wetland Hydrology in Agricultural Landscape** - Sponsored by SW-21, T-12, SW-23
- SW-6**      **Ecosystem Responses and Sustainability as Related to Bioenergy Production** - Sponsored by SW-21, T-11, SW-26
- SW-7**      **Application of Meteorological and Climatological Observations and Forecasts in Water Resources** - Sponsored by SW-21, SW-252

- SW-8**      **Modeling of Hydrologic and Nutrient Transport** - Sponsored by SW-21, SW-224
- SW-9**      **Hydrology and Water Quality Monitoring** - Sponsored by SW-21
- SW-10**     **Ecosystem Services in Agricultural Landscapes** - Sponsored by SW-21, BE-22
- SW-11**     **Uncertainties and Challenges in Hydrology and Water Quality Monitoring** - Sponsored by SW-21
- SW-12**     **Sensors and Controls for Irrigation Systems** - Sponsored by SW-24
- SW-13**     **Energy Efficiency of Irrigation Pumping, Conveyance and Application** - Sponsored by SW-24
- SW-14**     **Soil and Water Poster Session - Hydrology Group – POSTERS** - Sponsored by SW-21
- SW-15**     **Soil and Water Poster Session - Erosion Group – POSTERS** - Sponsored by SW-22
- SW-16**     **Wind Erosion Processes and Control** - Sponsored by SW-223
- SW-17**     **Soil Erosion Research** - Sponsored by SW-223
- SW-18**     **Biofuel, Land Use, and Climate Change Impacts on Soil Erosion** - Sponsored by SW-223
- SW-19**     **Remote Sensing for Conservation Systems** - Sponsored by SW-225
- SW-20**     **Hydrologic Impacts of Subsurface Drainage Systems** - Sponsored by SW-23
- SW-21**     **Drainage and Water Quality** - Sponsored by SW-23, SW-21
- SW-22**     **Drainage Water Management** - Sponsored by SW-23, SW-21
- SW-23**     **Drainage Modeling from Field to Watershed Scales** - Sponsored by SW-23, SW-21
- SW-24**     **Soil and Water Management for Salinity Control** - Sponsored by SW-23
- SW-25**     **Soil and Water Poster Session - Drainage Group – POSERS** - Sponsored by SW-23
- SW-26**     **Soil and Water Poster Session - Irrigation Group – POSERS** - Sponsored by SW-24
- SW-27**     **The State of Surface Irrigation in the US - Going but not Gone** - Sponsored by SW-242
- SW-28**     **Dealing with Decreasing Water Supplies** - Sponsored by SW-243
- SW-29**     **Variable Rate Irrigation** - Sponsored by SW-244
- SW-30**     **Advances in Irrigation Management** - Sponsored by SW-244
- SW-31**     **Implications of Regulations on Irrigation Management** - Sponsored by SW-244
- SW-32**     **Infrastructure Updates to Meet Future Irrigation Demands** - Sponsored by SW-244

- SW-33**      **Irrigation with Wastewater, Poor Quality Water, or Other Alternate Sources** - Sponsored by SW-244, SW-245
- SW-34**      **New Designs and Operation of Microirrigation Systems** - Sponsored by SW-245
- SW-35**      **Low Input, Low Cost, Low Pressure Microirrigation** - Sponsored by SW-245
- SW-36**      **Drip Irrigation in High Heat and Water Stress Areas** - Sponsored by SW-245
- SW-37**      **Turf and Landscape Irrigation** - Sponsored by SW-246
- SW-38**      **Dam Rehabilitation** - Sponsored by SW-25
- SW-39**      **Innovative Adaptations for Hydraulic Structures** - Sponsored by SW-25, SW-225
- SW-40**      **Geomorphology, Streambank Stability, and In-Stream Processes** - Sponsored by SW-25, SW-252, SW-21, BE-22
- SW-41**      **Nutrient and Sediment Cycling in Floodplains** - Sponsored by SW-25, SW-253
- SW-42**      **Streams, Reservoir and Wetlands Linkages** - Sponsored by SW-25
- SW-43**      **Soil and Water Poster Session - Streams, Reservoirs, and Wetlands Group – POSERS** - Sponsored by SW-25
- SW-44**      **Impacts on Landscapes Caused by Bioenergy Production** - Sponsored by SW-26, FPE-709
- SW-45**      **Sustainable Management of Land Resources to Address Ecosystem Impacts** - Sponsored by SW-26, BE-22
- SW-46**      **Soil and Water Poster Session - Sustainable Land Resources Group – POSTERS** - Sponsored by SW-26
- SW-47**      **Onsite Treatment and Disposal of Wastewater** - Sponsored by SW-262, FPE-707
- SW-48**      **Potential Impacts of Gas Drilling on Soil and Water Resources** – Sponsored by SW-21, BE-24