2010 Sino-U.S. International Workshop on Intelligent Equipment for Precision Agriculture and Airborne Remote Sensing and Measurement for Agriculture
College Station, Texas, USA
December 2-9, 2010

Workshop Chairperson
Dr. Yubin Lan, USDA-ARS-SPARC-APMRU, College Station, TX 77845, USA

Organizing Committee
Dr. Wang Yingkuan, Chinese Society of Agricultural Engineering, International Journal of Agricultural and Biological Engineering (IJABE)
Dr. Paul Chen, University of Minnesota/ABE Publishing & Communications, LLC

Conference Coordination
Beijing Xinde Chuangye Culture Communication Co, Ltd
Contact email: ijabecohost@gmail.com

Welcome Message
Dear International Precision Agriculture and Remote Sensing Community:

It is a pleasure to announce the 2010 Sino-U.S. International Workshop on Intelligent Equipment for Precision Agriculture and Airborne Remote Sensing and Measurement for Agriculture to be held at the USDA-ARS Southern Plains Agricultural Research Center (SPARC), College Station, Texas, USA from December 2-9, 2010.

We welcome you to this Sino-US Workshop at College Station, where the USDA-ARS SPARC and Texas A&M University are located. Texas A&M University is the seventh-largest university with one of the largest main campuses in the U.S., and is also the site of the George Bush Presidential Library.

Traditional agriculture is advancing to modern and intelligent agriculture with the development of science and technology and social progress. Information technology plays a key role in this conversion, dealing with less controllability and stability because of regionality, seasonality and variability. Precision agriculture as a trend featured with digital, visual, networked and intelligent agriculture is growing, as is the precision agricultural community across the world.

The 2010 Sino-U.S. International Workshop on Intelligent Equipment for Precision Agriculture and Airborne Remote Sensing and Measurement for Agriculture is envisaged to be a scholarly and professional symposium, with about 60 attendees from China and the U.S. Over a dozen experts and professors will be invited to present as key speakers. This workshop will provide a forum for presentations on the current state of intelligent equipment for precision agriculture research and applications, application of remote sensing and information technologies in agriculture. The conference will facilitate interactions among research scientists, producers, technology company representatives, equipment manufacturers, input dealers, agronomic consultants, software developers, educators, and government personnel.

During the workshop, an evening session will be held to seek for the possibility of building bilateral ties for future exchange and cooperation between Chinese and U.S. scientists and institutions.

We are looking forward to seeing you at the Sino-U.S. workshop on Intelligent Equipment for Precision Agriculture and Remote Sensing and Measurement Technology in College Station, Texas, USA.

Sincerely yours,

Dr. Yubin Lan, Agricultural Engineer, USDA-ARS-SPARC-APMRU
Chair of the 2010 Sino-US International Workshop on Intelligent Equipment for Precision Agriculture and Airborne Remote Sensing and Measurement for Agriculture
Call for Abstracts and Papers

Abstracts for the 2010 Sino-US International Workshop on Intelligent Equipment for Precision Agriculture and Airborne Remote Sensing and Measurement for Agriculture may be submitted online to the email at ijabecohost@gmail.com before the deadlines, September 28, 2010 for abstract submission, and before November 20, 2010 for full papers. Abstracts are limited to no more than 500 words. Abstracts will be reviewed for suitability based on scientific content, writing and clarity. Abstracts meeting these criteria will be accepted for presentation as either oral or poster presentations at the Workshop.

Authors of accepted abstracts will be entitled to present their research at the Workshop after payment of registration fees. They will also be entitled to submit full papers (more details later) to the IJABE (http://www.ijabe.org) in December, 2010. Full papers submitted to this Workshop will be published in IJABE if meeting the criteria of IJABE through peer review.

Main Topics

Intelligent Equipments for Precision Agriculture
Airborne Remote Sensing (manned and unmanned)
Ground-based Remote Sensing
VRT (Variable Rate Technology) and Variable-rate application
Aerial application technology for crop production and protection
Spraying droplet measurements and DRT (Drift Reduction Techniques)
Electronic nose and VOC (Volatile Organic Compound) analyzer
Modeling, Geo-statistics, Geodata and software
Sensor Application in Managing In-season Crop Variability
Spatial Variability in Crop, Soil and Natural Resources
Remote Sensing Applications in Precision Agriculture
Engineering Technologies and Advances
Emerging Issues in Precision Agriculture (Energy, Biofuels, Climate Change)
Guidance, Auto Steer, and GPS Systems
Global Proliferation of Precision Agriculture and its Applications

Principal Contact

College Station, Texas, USA
Address: 2771 F&B Road, College Station, TX, 77845, USA
Contact Person: Dr. Yubin Lan, Agricultural Engineer
Phone: (979) 260-3759, Fax: (979) 260-9386
Email: yubin.lan@ars.usda.gov

Beijing, China
Address: No. 41, Maizidian Street, Chaoyang District, Beijing 100125, China
Contact Person: Dr. Wang Yingkuan, editor-in-chief
Phone: 010-61747818, 65929527
Email: ijabecohost@gmail.com
http://www.ijabe.org

Invited Speakers

Brad Fritz, PhD, Agricultural Engineer, USDA-ARS-SPARC-APMRU
Yufeng Ge, PhD., Texas A&M University
Fedor Zazueta, PhD, Professor, Associate CIO, President of CIGR, Office of Academic Technology, University of Florida
W. Clint Hoffmann, PhD, Agricultural Engineer, USDA-ARS-SPARC-APMRU
Yanbo Huang, PhD, Agricultural Engineer, USDA-ARS, Stoneville, Mississippi
Ron Lacey, PhD, Professor, Texas A&M University
Yubin Lan, PhD, Agricultural Engineer, USDA-ARS-SPARC-APMRU
Juan Lopez, Jr, PhD, Entomologist, USDA-ARS-SPARC-APMRU
Dan Martin, PhD, Agricultural Engineer, USDA-ARS-SPARC-APMRU
Sorin Popescu, PhD, Professor, Texas A&M University
Ruixiu Sui, PhD, Agricultural Engineer, USDA-ARS, Stoneville, Mississippi
Alex Thomasson, PhD, Professor, Texas A&M University
Steve Thomson, PhD, Agricultural Engineer, USDA-ARS, Stoneville, Mississippi
Chenghai Yang, PhD, Agricultural Engineer, USDA-ARS, Weslaco, Texas, USA