



# AAAE

## NEWSLETTER

VOL.21, NO.1  
Asian Association for Agricultural Engineering

### President's Message



My dear colleagues of AAEE,

I sincerely greet you all with the year of Dragon. May the year 2012 bring you all good health, wealth, happiness, peace and success!

Last October, the world celebrated the 7 billionth newborn baby, the milestone for human development, but also the warning that we are sharing only one globe with a huge, and yet accelerating population. Other serious issues also emerged: rapid urbanization left us with diminishing arable land; aggravated climate change and natural disasters affected food output from our

limited resources. Although many countries around the world have put tremendous efforts to reduce hunger and made remarkable progress, we are still facing the problem that agricultural growth lags behind population expansion.

In order to ensure food security without compromising environment and social development, we should improve the technological level of agricultural production, economic benefits and ecological efficiency. Speeding up agricultural mechanization is one of the crucial solutions. Working towards this, cutting-edge agricultural equipment, modern farming management and innovative information systems are the steps toward automizing rural agriculture. In this process, we should expand our knowledge space and integrate research powers in agricultural engineering and other related scientific fields. This mission cannot be achieved through the work of one person, or one nation, but only through global communication and cooperation.

AAAE, as an international academic

association, has been dedicated to promoting information exchange among scientist and engineers in the past years. We have gained wide recognition and respect by publishing academic journals and supporting international activities. None of our accomplishments could be made without the support and contributions from our members and friends from all over the world. In 2012, I call on my colleagues of AAEE and friends to work more closely and collaboratively, and to commit to knowledge sharing in this field. With our efforts, I am optimistic that we will

upgrade the research level of agricultural engineering and agricultural productivity, and ensure food security in the future.

I wish you all the best and success in your future undertaking.

President  
Asian Association for Agricultural  
Engineering

### AAAE Sponsored and Co-sponsored Academic Events in 2012

#### Academic Symposium on Agricultural Engineering 2012

Co-sponsored by the Chinese Society for Agricultural Machinery (CSAM) and Asian Association for Agricultural Engineering (AAAE), an International Academic Symposium on Agricultural Engineering will be held in late October, 2012 in Hangzhou, Zhejiang Province, China.

Main topics: Technologies of agro-products processing engineering and machinery, drainage and irrigation machinery, animal husbandry machinery, harvesters, crop protection equipment and technology, bioenergy technology, machinery management, etc.

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More detailed information about the symposium will be announced on the next issue of AAEE newsletter and AAEE website.

#### Postharvest Africa 2012

The 7<sup>th</sup> CIGR International Technical Symposium with the theme of "Innovating the food value chain" incorporating the 2<sup>nd</sup> International Conference on Postharvest

Technology & Quality Management (Postharvest Africa 2012) will be held at the Conservatorium, Stellenbosch University, South Africa on November 25<sup>th</sup> to 28<sup>th</sup>, 2012.

AAAE is one of the supporters of Postharvest Africa 2012 along with other international academic associations. AAAE Secretariat requests AAAE members to submit research papers to the symposium and participate in this event.

Main topics: Harvest management, cold chain technologies, packaging technology, transportation & logistics, drying technology, bio-processing technology, postharvest pathology, food safety and traceability, biosensors & non-invasive tools, bio-energy & bio-fuels etc.

Conference Secretariat

South African Research Chair in Postharvest Technology

A I Perold Building

Stellenbosch University

South Africa

Phone: +27-0-21 808 4064

Mob: +27-0-78 562 6446

Email: postharvest@sun.ac.za

Please visit the conference website for more information: <http://www.sun.ac.za/postharvest/cigr2012>

AAAE members who intend to attend the symposium can also contact the AAAE Secretariat.

Email: [aaase@yahoo.com](mailto:aaase@yahoo.com)

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Website: <http://www.aaae.org.cn/>

### **21<sup>st</sup> Century Watershed Technology Conference and Workshop**

21<sup>st</sup> Century Watershed Technology Conference and Workshop will be held on May 27<sup>th</sup> to June 1<sup>st</sup>, 2012, in Bari, Italy. AAAE is one of the supporting institutions.

This International Conference with the theme of "Improving Water Quality and the Environment" will look at emerging problems and new solutions to managing watersheds to meet water quality and quantity standards.

Venue: Palace Hotel, Bari, Italy.

Main topics: New applications of well established and understood technologies to innovative and entrepreneurial applications of emerging technologies, in addition to issues related to policy and knowledge dissemination.

For more information, please visit the website: <http://watershedtech.org>

### **CAFEI 2012**

The International Conference on Agricultural and Food Engineering in Malaysia (CAFEi 2012) with the theme of "Bringing Engineering to Life" will be hosted by the Department of Process and Food Engineering and the Department of Biological and Agricultural Engineering, Faculty of Engineering, Universiti Putra Malaysia on 26<sup>th</sup> to 29<sup>th</sup>, November 2012. AAAE accepted to be one of the supporters of CAFEi 2012. AAAE Secretariat requests AAAE members

to submit research papers to the conference and participate in this event. The deadline for abstract submission is May 30<sup>th</sup>, 2012.

Main Topics: Agricultural mechanization and automation, agricultural processing, bio-information system, bioprocess and environment, drying technology, fermentation

technology, precision farming and AgriGIS, process control and integration, soil and water engineering, postharvest engineering and technology, etc.

For more information, please visit the conference website:

<http://www.eng.upm.edu.my/cafei2012/>

### **AAAE Member News**

#### **Prof. Shujun LI was present at the 31<sup>st</sup> FAO Regional Conference for Asia and the Pacific**

Prof. Dr. Shujun Li, the President of AAAE attended the 31<sup>st</sup> Session of FAO Regional Conference for Asia and the Pacific in Hanoi, the capital of the Socialist Republic of Viet Nam on March 12<sup>th</sup> to 16<sup>th</sup>, 2012 on behalf of the International Commission of Agricultural and Biosystems Engineering (CIGR).

Over 200 high-ranking officials from 38 countries and regions participated in the conference, the representatives and observers from government organization, non-government organizations and international societies also attended the conference.

During the conference, the main topics were food security and food price. The issues of sustainable intensification and diversification of crops and agriculture towards food and nutrition security, value chain development and post-harvest loss reduction for smallholder farmers were discussed by the officials and scientists.



#### **International Forum on Harvest Technologies 2011 was successfully held**

The International Forum on Harvest Technologies 2011 was held at Zhenjiang Mingdu Hotel, Zhenjiang, Jiangsu, China. The forum was sponsored by AAAE, Harvesting Machinery Branch of the Chinese Society of Agricultural Machinery (CSAM) and Jiangsu University. About 200 researchers, scientists, entrepreneurs and engineers from the U.S.A., Japan, Germany, India and China participated in this forum. Prof. Shujun Li,

President of AAAE, attended the forum and gave the opening speech. Prof. Lanfang Zhang, the Secretary General of AAAE, hosted the opening ceremony. Prof. Vilas M. Salokhe, Director of International Relations of AAAE and Mr. Yoshisuke Kishida, former President of AAAE, made keynote speeches. This forum was a great success in promoting information exchange and achieving fruitful academic and technology results.

**Prof. Lanfang Zhang (LM 159) was appointed as the Editor-in-Chief of CIGR Journal**



Prof. Lanfang Zhang, the Secretary General of AAAE, was appointed as the new Editor-in-Chief of CIGR Journal on January 1<sup>st</sup>, 2012 by the CIGR Presidium. The main responsibilities of the Editor-in-Chief are to organize every step of the editorial process, which includes managing manuscripts, supervising reviewing process, approving submission and editing each issue through the OJS System. As the new Editor-in-Chief, Prof. Zhang will strive to ensure the smoothness of the editorial process, and to improve the quality and popularity of CIGR Journal.

**Academic activity of Prof. Machito Mihara (LM 037)**



Prof. Machito Mihara, a Professor at Tokyo University of Agriculture, and also the President of Institute of Environment Rehabilitation and Conservation in Japan is now engaged in the RCE\* Greater Phnom Penh (RCE-GPP) in Cambodia. An RCE is a network of existing education organizations, mobilized to deliver education for sustainable development (ESD) to local and regional communities. This is the first RCE activity in Cambodia and officially acknowledged by the Global RCE Service Centre of the United Nations University, Institute of Advanced Studies on December 26<sup>th</sup>, 2009.

\*RCE is the Regional Centre of Expertise on Education for sustainable Development of the United Nations University in Tokyo, Japan.

**New members**

AAAE welcomes its new regular members: Mr. Zhao Xiaopeng (2011-2013), Mr. Himanshu Arya (2011-2013).

Mr. Zhao Xiaopeng is the Assistant President of the Chinese Academy of Agricultural Mechanization Sciences (CAAMS), Director of International Cooperation Department of CAAMS and Agricultural Society for Agricultural Machinery (CSAM).

Mr. Himanshu Arya is a student from College of Technology & Engineering in India with specialty in computer applications.

**News from Other International Societies**  
**Previous Conference**

**AgEng 2011 was held in Hanover, Germany on November 11<sup>th</sup>-12<sup>th</sup>, 2011**



The 69<sup>th</sup> Conference on Agricultural Engineering LAND. TECHNIK – AgEng 2011: Solutions for Intelligent and Sustainable Farming was held in Hanover, Germany on November 11<sup>th</sup> to 12<sup>th</sup>, 2011. AgEng 2011 addressed requirements for “future farming” machines, which include higher productivity, improved economic efficiency, lower energy needs and better integration into process chains. A Record number of more than 850 experts from 26 countries attended the conference, and about 70% of participants were from industry.

(The news was provided by Prof. David Tinker, the Secretary General of EurAgEng)

**Upcoming International Conferences**

**CIGR-AgEng 2012**

On behalf of the European Society of Agricultural Engineers (EurAgEng), the International Commission of Agricultural and Biosystems Engineering (CIGR), and the Spanish Society of Agroingenieria (SEAgIng), the International Conference of Agricultural Engineering CIGR-AgEng 2012 will be held in Valencia, Spain, on July 8<sup>th</sup> to 12<sup>th</sup>, 2012.

This conference is designed as a large umbrella for several simultaneous thematic conferences with the goal of promoting the interaction between CIGR and EurAgEng Working Group. One of the special parallel conferences organized by UNIDO and FAO is focused on mechanization and post-harvest technology in developing countries. Venue: Valencia Conference Centre

Main topics: Animal production technology, energy, biomass and biological residues, ergonomics, safety and health, information technology, automation and precision farming, postharvest, food and process engineering, power and machinery, rural development, structures and environmental technologies, soil and water engineering, etc.

For more information, please visit the website: <http://cigr.ageng2012.org/>

**Debris 2012**

Debris 2012: 4<sup>th</sup> International Conference on Monitoring, Simulation, Prevention and Remediation of Dense and Debris Flow will be held on May 29<sup>th</sup> to 30<sup>th</sup>, 2012 in Dubrovnik, Croatia.

Website: [www.wessex.ac.uk/12-conferences/debris-flow-2012.html](http://www.wessex.ac.uk/12-conferences/debris-flow-2012.html)

### FRIAR 2012

FRIAR 2012: 3<sup>rd</sup> International Conference on Flood Recovery, Innovation and Response will be held on May 30<sup>th</sup> to June 1<sup>st</sup>, 2012 in Dubrovnik, Croatia.

Website: [www.wessex.ac.uk/12-conferences/friar-2012.html](http://www.wessex.ac.uk/12-conferences/friar-2012.html)

### Sustainable Irrigation 2012

Sustainable Irrigation 2012: 4<sup>th</sup> International Conference on Sustainable Irrigation and Drainage: Management, Technologies and Policies will be held on December 11<sup>th</sup> to 13<sup>th</sup>, 2012 in Adelaide, Australia.

Website: [www.wessex.ac.uk/12-conferences/sustainable-irrigation-2012.html](http://www.wessex.ac.uk/12-conferences/sustainable-irrigation-2012.html)

### International Conference on Agricultural Engineering

International Conference on Agricultural Engineering: "New Technologies for Sustainable Agricultural Production and Food Security" will be held on February 24<sup>th</sup> to 26<sup>th</sup>, 2013 (tentative date), at the Conference Center of the Sultan Qaboos University, Al-Khod, Sultanate of Oman.

(The newsletter will announce the website of the conference once the website is established)

## AAAE Publication

### International Agricultural Engineering Journal (IAEJ) Vol. 20, No. 1-No. 4 ISSN 0858-2114

International Agricultural Engineering Journal (IAEJ) was sponsored and published by AAAE as its official publication. IAEJ has been continuously published for 20 years with over 350 quality research papers in 20 volumes. In 2011, IAEJ has published 57 papers in 4 issues, with authors from 8 countries and regions in the world.

Statistics of International Agricultural Engineering Journal (IAEJ) in 2011

Published issues	4 issues (Vol. 20, No. 1, 2, 3, 4)
Total published papers	57
Countries and regions of the authors	China, India, Sri-Lanka, Japan, Taiwan, Thailand, the Netherlands and the U.S.A.

Since the headquarters was shifted to China in 2010, we have made great accomplishment in promoting IAEJ, and it has become one of the most prestigious international journals in agricultural engineering among the Asian academic and engineering societies. Looking forward to 2012, besides keeping up the high quality of the journal, we will work more on promoting IAEJ globally. We hope to gain more recognition from agriculture scientists and engineers around the world and to enhance international knowledge exchange and cooperation.

In order to improve the managing systems of IAEJ and increase its impact, we will start its official website. The establishment of the IAEJ website will create an efficient system for manuscript submission, peer-reviewing process and subscription management. It will also provide a more convenient platform for communications among AAAE members and improve the popularity of the journals. The IAEJ website is expected to be ready in May 2012, and the updates of IAEJ website will be announced on AAAE website or on the next AAAE Newsletter.

## Call for Papers for IAEJ

Dear researchers and engineers,

International Agricultural Engineering Journal (IAEJ) is an international journal focusing on research and development in agricultural engineering. It is published by the Asian Association for Agricultural Engineering (AAAE).

IAEJ is a peer-reviewed international journal that is published quarterly only in print copy at present. The official ISSN is 0858-2114. The scope of IAEJ includes: soil and water engineering, farm machinery, farm structures, post-harvest technology, biotechnology, food processing and emerging technologies. The members of International Editorial Board are outstanding scientists and professionals involved in various areas of agricultural engineering. IAEJ is one of the most prestigious international journals in its field and has been indexed and abstracted in EI Compendex (Core), Scopus, Elsevier Bibliographic Databases, etc.

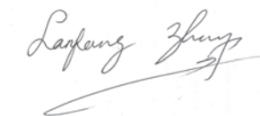
IAEJ welcomes high quality papers from scientists, engineers, research scholars and professors with a diverse range of backgrounds in agricultural engineering. You are invited to share your valuable scientific and technological findings with the other scientists of agricultural engineering by means of submitting manuscripts to the journal to illustrate research results, projects, surveying workings and agro-industrial experiences.

The manuscripts can be submitted via e-mails to [iaejeditor@yahoo.com](mailto:iaejeditor@yahoo.com). Submission

must be original and should not have been published previously or be under consideration for publication in other journal.

To cover the printing and other related costs, there is a page charge of US\$50 per printed page. Upon paper acceptance, the author should pay the charge, either by bank draft or by check. For more information, please consult with AAAE Secretariat.

Yours sincerely,



Prof. Lanfang Zhang  
Secretary General of AAAE

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