



## CIGR 2008 Conference Newsletter 1

Dear colleagues,

Due to a large number of colleagues's demand for extending the deadline for uploading the papers to the CIGR 2008 Conference, the Local Committee decided to postpone the deadline to **April 10<sup>th</sup>** hoping to accommodate all requests. Meanwhile let us introduce you the scientific committee in each area with a brief description of each event.

Two good news are now announced: first, the papers submitted to CIGR2008 will automatically be candidate to the Gerda Award 2008, which is a laptop this year donated to the first author (when student) and to his/her adviser. For further information please check the website (in Portuguese)

[http://www.melhoresdaterra.com.br/port/edicao2008\\_regulamento.asp](http://www.melhoresdaterra.com.br/port/edicao2008_regulamento.asp); and second, the best selected papers besides being candidates to the CIGR Award, they will be published after peer review in a special issue of the Brazilian Journal of Biosystems Engineering.

Please check for CIGR2008 updated information on the Web site at the following address: <http://www.acquacon.com.br/icae/en/events.php>

See you in Brazil.

*Local Organizing Committee*

## **A1 – Soils, Water & Environment**

### **EnviroWater'2008**

**Chair:** J. M. Tarjuelo (Jose.Tarjuelo@uclm.es) and **Co-Chair:** Marcos Vinicius Folegatti (mvfolega@esalq.usp.br)

Fresh water and land are scarcer all over the world, both in quantity and quality, due to the increase in population and in the economic activity. Thus it is necessary to improve the planning and management in order to do a sustainable use of these resources. This fact implies to know better the different processes involved, and design tools and models to help in decision making.

The conservation of the environment and the reduction of possible risks for health, caused by direct and diffused pollution due to the more intensive use of these resources, calls into question local and regional development plans and strategies.

The Inter-Regional Conference EnviroWater'2008 attempts to be a meeting forum among scientists, engineers and/or managers of water, land and environment. The topics include all the strategies and technologies to improve the use and the sustainable management of resources in order to achieve an improvement in productivity and in sustainable rural development, but with no risks for health.

EnviroWater'2008 will be held in conjunction with CIGR's International Conference of Agricultural Engineering, and the 37<sup>th</sup> Brazilian Congress of Agricultural Engineering, August 31<sup>st</sup> to September 4<sup>th</sup> Iguassu Falls City - PR – Brazil.

With your help, we are confident that this Conference will meet great success.

The Scientific Committee for the EnviroWater 2008: Daniele De Wrachien, Enrique Palacios, Enque Playan, Gerrit-Jan Carsjens, Guanhua Huang, Guido D'Urso, Heinz Sourell, José A. Morábito, Samuel Ortega-Farías, Jose M Gonçalves, Mario Falciai, Narendra Kumar Tyagi, Pat D. Taylor, Vicente Sousa, Antonio Enciso Gutierrez, and Heraldo Peixoto da Silva, Abelardo Antônio de Assunção Montenegro, Alberto Colombo, Paulo Estevão Cruvinel, Enio Farias de Franca e Silva, Eugenio Coelho, Fernando Falco Pruski, Jarbas Honorio de Miranda, João Carlos Cury Saad, Maurício Antônio Coelho Filho, Rubens Duarte Coelho, Edson Eiji Matsura, Roberto Testezlaf and Antônio Carlos Gonçalves.

## **A2 – Construction and Environment**

### **ASABE's - ILES VIII - ASABE's International Livestock Environment Symposium**

**Chair:** Richard Gates (gates@uk.edu) and **Co-Chair:** Daniella Jorge de Moura (daniella.moura@agr.unicamp.br)

The Eighth International Livestock Environment Symposium (ASABE ILES VIII) will provide an international platform for exchange of the latest research discoveries, technology advancement and networking among animal scientists, engineers, veterinarians and other professionals interested in livestock environment. The technical program addresses current and emerging issues facing the farm animal production industry with particular emphasis on assessment and improvement of animal environment and production systems and/or technologies that aim to enhance animal health/well-being and production efficiency while minimizing the environmental impact of production operations.

ASABE ILES VIII will be held in conjunction with CIGR's International Conference of Agricultural Engineering, and the 37th Brazilian Congress of Agricultural Engineering. Participants will be provided full access to all events of these and related Symposia being held together in Iguassu Falls

The Scientific Committee for the ASABE ILES VIII Symposium: Hongwei Xin, Tadayuki Yanagi, Jr., Ilda F.F. Tinoco, Rick Stowell, and Eileen F. Wheeler.

### **VIth International Symposium on Cement Based Materials for a Sustainable Agriculture - CSA'2008**

**Chair:** H. Savastano Jr. (holmersj@usp.br) and **Co-Chair:** N. de Belie (nele.debelie@ugent.be)

This symposium will be the sixth of the series and the first one outside Europe. This conference gained a solid reputation in Section II of CIGR and now it is expected to reach great visibility as it will be held in parallel with the CIGR Conference and ILES Symposium.

The Scientific Committee for the CSA'2008: B. Sonck, J. C. Jofriet, C. Nilsson, S. Pedersen, Elvira Sánchez Espinosa, Miguel A. Garcimartín, A. L. Beraldo, J. M. Monzo, V. Amigó, K. Ghavami, N. P. Barbosa, V. M. John, S. Delvasto, and B. D. Lhoneux.

## **A3 - Processing Conference**

### **4th CIGR Section VI International Symposium on Food and Bioprocess Technology**

**Chair:** Da-Wen-Sun (dawen.sun@ucd.ie) and **Co-Chair:** Amauri Rosenthal (arosen@ctaa.embrapa.br)

Following the successful 1st International Symposium on Bioproducts Processing and Food Safety held in Beijing in October 2004, the 2nd one on Future of Food Engineering in Warsaw in April 2006, and the 3rd one on Food and Agricultural Products: Processing and Innovations in Naples in September 2007, the CIGR Section VI is organizing the 4th Technical Symposium on Food and Bioprocess Technology in Iguassu Falls City (Brazil)

on 31 August - 4 September 2008, in conjunction with the 2008 CIGR International Conference - Brazil. Today, the food and bioprocess industry strives to provide a wide variety of products with enhanced shelf-life, functionality and quality attributes, and to develop new technologies in order to meet the demands of people from different cultural and working backgrounds. Despite the success of the industry, public concerns about product safety, nutritional value, and environmental impacts have become overwhelming in recent times. Such concerns accentuate the need for comprehensive scientific research and innovations to improve both the effectiveness and efficiency of food and agricultural processes. This Symposium is therefore intended for the participants to communicate their latest research results in the subject area to their international peers, to stimulate meaningful debate, and to enable in-depth technical discussions, thus allowing significant exchange of new and exciting findings of research, and generating good ideas for further research. As the last three symposiums, selected papers presented at this Symposium will be published in a special issue of Food and Bioprocess Technology: an International Journal published by Springer.

The Scientific Committee for the VI International Symposium on Food And Bioprocess Technology: Alain LeBail, Antonio Gomes Soares, Antonio Mulet Pons, Arzhang Javadi, Gustavo V. Barbosa Canovas, Brian McKenna, Carmen C. Tadini, Cesar Kapseu, Digvir S. Jayas, Flavio Schimidt, Florência Menegalli, Francisco Artes Calero, Gláucia Aragão, Joao Borges Laurindo, Jocelyn Salgado, Jose M. Aguilera, Jozef Grochowicz, Keshavan Niranjani, Kil Jin Park, Kiyohiko Toyoda, Linus U. Opara, Lourdes Maria Correa Cabral, Luis Luchsinger, Luiz Henrique C. Mattoso, Manuela Zude, Marcelo Prado, Margarita Ruiz Altisent, Odilio B. G. Assis, Paolo Menesatti, Paulo I. do Amaral Sobral, Pavel Kadlec, Pedro Felício, Pilar Rodrigues de Massaguer, R. Paul Singh, Rosires Deliza, Shujun Li, Sonia Couri, Suzana Lanes, Vilas M. Salokhe, Verônica Calado, Vivaldo Silveira Junior, Ying Ma, Yong He, and Zhongli Pan.

## **A4 - Power and Machinery**

### **Power and Machinery Conference**

**Chair:** Daniel Marçal de Queiroz (queiroz@ufv.br) and **Co-Chair:** John Schueller (schuejk@ufl.edu)

Agricultural machines play an important role in agri-food production systems. Many machines are used to perform different tasks in crop establishment, pre-harvest, harvest and post-harvest operations. The Power and Machinery Conference will integrate efforts of the international scientific community in discussing the theme and will present the advances in the area of knowledge and technology that are contributing to the development and the use of agricultural machines. Five macro area topics are: Equipment engineering for plants; Information systems; Educational aspects; Automation technology for off-road equipment; and Precision Agriculture. Paper presentations, plenary discussion and poster sessions will show and discuss the most recent developments in those areas

The Scientific Committee for the Power and Machinery Conference: Antônio Mauro Saraiva, Carlos Eugenio Oliveros Tascon, Darly Geraldo de Sena Junior, Ettore Gasparetto, Evandro C. Mantovani, Francisco de Assis de Carvalho Pinto, Hans-Werner Griepentrog, Herman Ramon, James L. Glancey, José Paulo Molin, Kleber Pereira Lanças, Michihisa Iida, Naiqian Zhang, Noboru Noguchi, Pierluigi Febo, Qin Zhang, Scott Shearer, Vladimir Popov, Paulo Graziano Magalhães, Ricardo Inamasu, Simon Blackmore, Wolfgang Fervere, Ricardo Inamasu, Simon Blackmore and Wolfgang Fervere.

## **A5 - Interdisciplinary Issues**

### **Interdisciplinary Issues Conference**

**Chair:** Fedro H. Zazueta (fsz@ufl.edu) and **Co-Chair:** Hans Raj Gheyi (UFCG) (hans@agriambi.com.br)

Agricultural and biological engineering will play an influential role in many of the challenges facing us in the XXIst century. Current trends in globalization and the explosive rate at which technologies in different disciplines are evolving punctuate the need to foster effective communication and collaboration between multi discipline scientists, educators and engineering practitioners.

This event will provide a forum to discuss issues related to current trends, opportunities and challenges created by emerging and established technologies in a global multidisciplinary context. Participants are encouraged to submit contributions related to research, implementation and adoption involving two or more disciplines related to engineering aspects of climate, the environment, food security, technology, natural resources, sustainability and emerging issues and technologies.

Contributions to this session may range from technical problem solutions to policy and practice recommendations, including standards. Of special interest, but not limited to, are contributions related to technologies useful over a wide scope of economic conditions that can help developing countries improve quality of life and integrate with competitive markets.

The Scientific Committee for the Interdisciplinary Issues Conference: Hermann Auernhammer, Salassier Bernardo, Stanley Best, Mei Fangquan, Eugenio Ferreira Coelho, Federico Hann, Riohei Ito, Enrique Molto, Axel Munack, Ragab Ragah, Antonio Saraiva, Omar Ulloa, Stavros Vougioukas, Jiannong Xin, and François Pinet.

### **Biofuels Symposium**

**Chair:** Evandro Mantovani (evandro.mantovani@embrapa.br) and **Co-Chair:** Axel Munack (axel.munack@fal.de)

To Integrate efforts of the International scientific community in discuss the theme and to know the advances in the area of knowledge and technology that contribute to the sustainable production of energy through agriculture and to the rational use of this renewable energy. Five macro area topics were considered: Technical, environmental and

economical aspects, global trends and future research. Paper presentations, plenary discussion and poster sessions will be showing the most recent developments in biofuel.

The expectation of recent advancements in the area of knowledge is to maintain the world informed about the progress achieved about production and use of agricultural renewable energy from 1st and 2nd generation technology.

The Scientific Committee for the Biofuel Symposium: Milan Martinov, Janusz Piechocki, Laurentiu Fara, Nicolay Mihailov, Ramadani Abdellah, Dmitry Strebkov, Jadir Nogueira da Silva, Zoltan Sibalszky, Abdullah Kamaruddin, Esdras Sundfeld, Frederico Ozanan Machado Duraes, and José Euripedes da Silva