



International Commission of Agricultural and Biosystems Engineering

CIGR

Newsletter Quarterly

**Newsletter No. 90
September, 2010**

*Since 1930
80 Years of CIGR*

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Commission Internationale du Génie Rural (CIGR)

CIGR Website: <http://www.cigr.org/>

1. CIGR NEWS

Message from the President

Congratulations to the Canadian organizers for a well handled XVII CIGR World Congress with 750 participants in a charming city. We all know it was a large effort for the organizers to put a program together for the XVII CIGR Congress, combined with a number of special conferences



President Søren Pedersen

that included 12 concurrent oral sessions, poster sessions and board meetings. As an international umbrella, CIGR welcomed the close cooperation with ASABE's 9th International Drainage Symposium, the 8th World Congress on Computers in Agriculture, the 10th Annual Meeting of the American Ecological Engineering Society, the Symposium on Nanotechnologies Applied to Biosystems Engineering and the Environment, Génie des procédés appliqué en agro-alimentaire, and the 3th Inter-Regional Conference on Land, Environment and Water (EnviroWater 2010).

The XVII CIGR Congress was also the opportunity to celebrate CIGR's 80th anniversary. Past presidents and former Secretaries General spanning over two decades were present. We welcomed past presidents Prof. Egil Berge, Norway (1995-1996), Prof. Bill Stout, Texas (1999-2000), Prof. El Houssine Bartali, Morocco (2001-2002), Prof. Axel Munack, Germany (2003-2004), Prof. Irenilza Alencar Nããs, Brazil (2007-2008), former Secretary General Prof. Peter Schulze Lammers, Germany (1998-2005) and Prof. Takaaki Maekawa, Japan (2006-2009). The following, who could not attend, sent greetings to all CIGR friends. It is past president Prof. Paul McNulty, Ireland (1989-1991), Prof. Giuseppe Pellizzi, Italy (1991-1994), Prof. Luis Santos Pereira, Portugal (2005-2006) and Secretary General Prof. Jan Daelemans, Belgium (1989-1998).

In addition to the technical and scientific presentations and discussions, the CIGR Congress is also the venue for the CIGR Board Meetings and the CIGR General Assembly where approval of new CIGR Boards for the coming four years period and approval of CIGR proposals take place.

Main CIGR decisions in the past two of years

Many themes have been discussed in the past two years by the CIGR boards and the Presidium. The following important decisions were taken:

- **CIGR title was extended to include "Biosystems"**

The title of CIGR has traditionally been "International Commission of Agricultural Engineering". This title reflected the CIGR working areas, but over the last two decades, many research institutes and agricultural universities worldwide turned in the direction of Biosystems Engineering. Therefore it was also appropriate to adjust the title of CIGR to "International Commission of Agricultural and Biosystems Engineering". The new name was introduced in the CIGR Newsletter No.82, October 2008.

- **CIGR logo**

The CIGR logo has principally been unchanged for a long time, but unfortunately, it has been used in different versions. Secretary General (2006-2009) Prof. Takaaki Maekawa identified nine different versions. Taking into account different aspects, as the Logo must be available in high digital solution, one of the versions has been approved as the official CIGR logo. Organizations which need to use the CIGR logo may obtain the official logo from the Secretary General.

- **Section Short Names and Short Descriptions**

Due to the fast evolution in agriculture engineering worldwide, the focus areas for each of CIGR's seven section are always changing, creating a need for fine tuning the section names, to address the state-of-the-art. This results in a permanent discussion about adjusting the section names. The presidium initiated a process on renaming the seven sections with broad short names with maximum of two descriptive words, combined with a few lines that are a short description of the themes each section is dealing with. The proposal of short names was presented in CIGR Newsletter No.87, October 2009. The short names proposal as well as short descriptions were discussed and adjusted by all sections and they were finally approved by the CIGR General Assembly in Quebec, June 2010. The new section names are as shown in figure 1.

Engineering of:

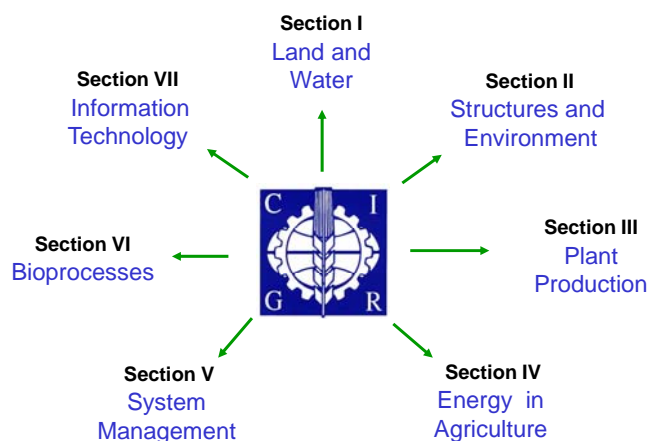


Figure 1 New Section Short Names

The short descriptions associated to short names are for each of the seven sections as follows:

Section I - Land and water

Promote the advance of the engineering science in the area of land and water use in agriculture and in rural areas, giving special attention to the conservation of resources, the preservation and re-establishment of environmental balances, and the social and economic impacts of applications in order to realize sustainable development for both urban and rural societies.

Section II - Structures and Environment

Optimizing the interaction of living organisms with their individual micro-environment by using structures and guaranteeing the long term sustainability (product quality and safety, human/animal health and welfare), of these biological systems in their surrounding environment.

Section III - Plant Production

Engineering of equipment and systems to produce plants, including equipment design, manufacture, and use to establish plants, protect plants, harvest plant products, and transport. Engineering of components and systems for improved productivity, efficiency, and sustainability.

Section IV - Energy in Agriculture

The Section IV of CIGR Energy in Agriculture deals with the actual problems of the rational and economical applications of electricity and other energy sources in connection with the electricity in the agriculture, especially with the rational use of the renewable energy sources considering the aspects of the protection of the environment.

Section V - System Management

Optimization of farm management and work organization by use of operations planning, logistics and system engineering, while improving the operations efficiency, economics, health, ergonomics, and workers' safety.

Section VI - Bioprocesses

Advance of engineering and technology in post-harvest and agri-food processing with particular focus on properties of products, unit operations, equipment, process control and traceability in respect to ensure the high quality and safety of food.

Section VII- Information Technology

Advance the development and effective use of information and communication technologies in all areas of agriculture in order to increase its sustainability, quality of operations and produce, productivity and profitability of the businesses. Target those technologies to every link of the production chains, education, research and policy making.

It is the intention that the short names must last permanently for a longer time spend, while the short descriptions can be adjusted when appropriate, to reflect the state-of-the-art.

● New Incoming president

CIGR designate every two years a new incoming president for a six years term, two years as incoming president, two years as president and two years as past president. The overall goal is to appoint presidents from different regions and disciplines. As incoming president 2011-2012 we welcome Prof. Da-Wen Sun, Ireland, who has been active as chair person in CIGR Section VI Bioprocesses and who has

been CIGR Working Group Coordinator over a couple of years.

● New Statutes

As described in Newsletter No.84, 2008 the revised CIGR statutes were published 1 January, 2009. Since then, they provided the guidelines for CIGR activities. The only change was to Article 10 f) from "four members co-opted by the Presidium and Executive Board" to "several members co-opted by the Presidium and Executive Board".

● CIGR Journal

CIGR initiated more than eleven years ago an electronic journal with Prof. Bill Stout as promoter and Editor-in-Chief. Due to Bill Stout's retirement as Editor-in-Chief in 2009, Prof. Fedro Zazueta, Florida took over until a more permanent solution could be found.

This change was the end of a long era, where the Journal was managed by Prof. Bill Stout. We are very thankful to all the enthusiasm Prof. Bill Stout has put in this work. By CIGR Newsletter No.82, October 2008, a new editor for the Journal was sought. Fortunately CSAM and CSAE China were interested in hosting the Journal and a cooperation agreement was signed in Beijing 16 October, 2009. See CIGR Newsletter No.89. The Journal is today a major CIGR service. A Governance Board provides direction and strategy with its own Bylaws and the Editor's Office acts as an executive. The new Editor-in-Chief is Dr. Wang Yinkuan who is now operating the CIGR Journal. Wang Yinkuan is highly qualified for the job and we welcome him as Editor-in-Chief.

CIGR International Congress, 2014 and Conferences 2012 and 2016

The next CIGR-AgEng International conference will be held in Valencia 2012 in close cooperation with European Society of Agricultural Engineering and organized by SeAgeng. The XVIII International Congress 2014 will be held in Beijing, China in collaboration with CSAM, CSAE and CAU.

The General Assembly in Quebec 2010, approved that the CIGR-AgEng Conference in 2016 will be held 26-29 June in Denmark with the preliminary theme: Robotics, Environment and Food Safety. The conference site will be the University of Aarhus in Jutland. The conference has been prepared in close cooperation between EurAgEng and CIGR. The Conference is supported by NJF (Scandinavian Association of Agricultural Scientists) and by Aarhus University. Preliminary reservation of facilities is arranged at Aarhus University and a co-operation is initiated with the conference bureau "Kongreskompagniet" in Aarhus.

*Prof. Søren Pedersen
President of CIGR 2009-2010*

Summary reports of the XVIIth CIGR World Congress 2010, Quebec, Canada, 12-17 June 2010

A total of 750 participants registered at the XVIIth World Congress of CIGR held in Québec City, Canada on 13-17 June, 2010. The number of fully registered delegates (i.e. non-student) was 465. The number of students registered for the entire congress was 156; several other registrants (129) were registered on a daily basis.

Fully registered delegates came from 46 different countries (a complete table is available on the web site www.cigr2010.ca). Eleven countries were represented by ten or more delegates: Canada (84), United States (63), China (60), Japan (32), Italy (31), Brazil (24), Germany (22), Spain (16), Iran (15), Denmark (14) and France (11). Besides full delegates, students and daily delegates, 39

visitors were registered in the guest program which included a tour of historical sites and a cruise on the St. Lawrence River. In addition, more than 30 volunteers, mostly students, helped the organizing committee; in total, about 820 people were involved in the congress.

Each participant received a Book of abstracts containing 746 papers presented in the technical program. A pdf version of the Book of abstracts is now available free of charge on the conference web site www.cigr2010.ca. All full papers and abstracts presented by participants will be placed on the website by the end of July 2010.

The Local Organizing Committee
XVIIth World Congress of CIGR
www.cigr2010.ca

The Summary of the CIGR Administrative Meetings and Ceremonies.

Date:

12 June: The Presidium (PM), Executive Board (EB) and Working Group Meetings

13 June: The Technical Board (TB) and Section Boards (SB) Meetings

15 June: The General Assembly (GA), Award Ceremony, CIGR 80th Anniversary Ceremony and Award Banquet

Venue: Hilton Quebec Hotel and Quebec City Convention Centre, Quebec City, Canada

1. Elections 2010: The past Secretary General, Prof. T. Maekawa presented the results of the ballot. Prof. Da-Wen Sun was unanimously elected as the Incoming President of CIGR. Members of CIGR Executive Board and Technical Board for the years 2011-2014 were also elected as shown in the table below.

2. Approvals: The following were presented and all the issues were approved by the Executive Board, Technical Board and/or the General Assembly unanimously.

- 1) Slight revision of CIGR Statutes: Article 10-1-f) from “four members co-opted by the Presidium and Executive Board” to “several members co-opted by the Presidium and Executive Board”. This revision is effective from the CIGR Elections 2010.
- 2) The section short names and short descriptions were finalized with slight modifications proposed by each section. The details are introduced in “Message from the President” of this Newsletter No.90.
- 3) Establishment of a new working group on “Food Safety”
- 4) Expenditure budgets for 2008-2009 were reported by Mr. Y. Kishida representing three auditors.
- 5) CIGR planned budgets for 2010-2011 were introduced by



Award Ceremony

Prof. T. Kimura, the Secretary General. After the approval, the SG stated the future status of CIGR financial condition will not be easily maintained because of the current world economic recession, rapid and large fluctuation of currency exchange rates, and imperfect collection of membership fees.

6) Levies for CIGR International Symposium WEF2011 (Tokyo, Japan) and the 3rd CIGR International Conference 2012 (Valencia, Spain) are US\$20 per fully registered participant.

7) The 4th CIGR-AgEng International Conference to be held on 26-29 June, 2016 in Denmark was approved by GA.

3. CIGR Awarding 2010: A total of 43 recipients were nominated by the CIGR Award Committee (Chair: Prof. Ireniza Naas, CIGR Past President) and by Local Organizing Committee of the XVII CIGR Congress 2010. See the table below for the details.

4. CIGR Governing Bodies:

1) Three auditors for the years 2011-2014, Prof. Josse De Baerdemaeker, Prof. Vilas M. Salokhe and Prof. Taichi Maki, were recommended from PM, and all the three were approved by EB.

2) Section members for the years 2011-2014 were proposed to TB, and the final composition list was opened for GA. See the composition table on the pages 6 to 7.

3) The President announced that we should open up the discussion to decide on who could be the next GS from 2014 after Hokkaido University, Japan.

5. CIGR World Congress and Supported Events: CIGR President, Prof. S. Pedersen announced that candidate for the XIX CIGR World Congress is open for nomination. The following two meetings were newly approved as supported events by EB; 1) Concrete for a Sustainable Agriculture Symposium, 18-21 Sept., 2011, Quebec, Canada, 2) 11th International Congress on Mechanization and Energy in Agriculture, 21-23 Sept., 2011, Istanbul, Turkey.

6. Publications:

1) EJournal: CIGR President reported that the Editorial Board moved from the USA to China (the details are available in NL No.89) and the current activity was briefly presented by the Chinese Representative. The President asked the Journal Governance Committee to discuss the issues of enhancement of cooperation between the journal and Technical Board, and of the new name of the journal.

2) Handbook: The President proposed organizing the task force to discuss the future of CIGR Handbook.

7. Ceremonies of CIGR Award 2010 and CIGR 80th Anniversary:

1) Chair of the CIGR Award Committee, Prof. I. Naas called the names of the recipients according to the table on the next pages and they received certificates or plaques from CIGR President, Prof. S. Pedersen.

2) CIGR 80th Anniversary was expedited by the Master of Ceremonies, Prof. F. Zazueta, CIGR Incoming President with participation of past Presidents and Secretary Generals. The names of past Presidents and Secretary Generals who were present are available in “Message from the President” of this Newsletter No.90.

*Prof. Toshinori Kimura
Secretary General*

CIGR Awarding 2010

(Celebrated on 15 June, 2010 at 17th CIGR World Congress in Quebec City, Canada)

Award	Person	Reason
CIGR Journal Outstanding Paper Award	Dr. B.C. Mohapatra, Dr. Bikash Sarkar, Dr. K.K. Sharma, Dr. D. Majhi	"Development and Testing of Demand Feeder for Carp Feeding in Outdoor Culture Systems"
	Dr. Alireza Khoshroo, Dr. Alireza Keyhani, Dr. Reza A. Zoroofi, Dr. Shahin Rafiee, Dr. Zabihollah Zamani, Dr. Mohamad R. Alsharif	"Classification of Pomegranate Fruit using Texture Analysis of MR Images"
Armand Blanc Prize	Dr. Salvador Calvet	"The influence of animal activity and litter on carbon dioxide balances to determine ventilation flow in broiler production"
	Dr. Suresh Neethirajan	"Development of a carbon dioxide (CO ₂) sensor using polymer nanoparticles for grain quality monitoring"
	Dr. Wenjuan Qu	"Continuous and pulsed ultrasound-assisted extractions of antioxidants from pomegranate peel"
Presidential Citation	Dr. Jianong Xin	Efforts to improve the quality of the CIGR Journal
	Prof. Krister Sällvik	Contributions to the heat exchange in animal production literature
	Prof. Omar Ulloa	Tireless efforts in supporting the profession in Latin America and the Caribbean
	Dr. In-Bok Lee	Leadership role in helping the Korean agricultural engineering societies become members of CIGR
	Prof. Linus Opara	Contributions to spreading CIGR mission and goals into African countries
	Prof. Manuela Zude	Work as Chair of the 5 th International Symposium on "Monitoring Technology in Bioprocesses and Food Quality Management", 31 August - 2 September 2009, Germany
	Prof. Jozef Grochowicz	Work as Chair of the 5 th International Symposium on "Monitoring Technology in Bioprocesses and Food Quality Management", 31 August - 2 September 2009, Germany
	Prof. Pietro Piccarolo	Work as Chair of the XXXIII CIOSTA & CIGR V Conference 2009 on "Technology and Management to Ensure Sustainable Agriculture, Agrosystems, Forestry and Safety", Italy
	Prof. Pietro Piccarolo	Work as Chair of the 10 th Argentinean Conference of Agricultural Engineering and the 2 nd MERCOSUR and CIGR Section V Symposium on Technology and Management to Increase the Efficiency in Sustainable Agricultural Systems, Argentina
	Prof. Mikio Umeda	Work as Chair of the Synergy & Technical Development International Conference in Agricultural Engineering, Hungary, 2009
	Prof. Zoltán Sibalszky	Work as Chair of the Synergy & Technical Development International Conference in Agricultural Engineering, Hungary, 2009
	Prof. Thomas Banhazi	Work as Chair of the 2009 CIGR International Symposium of the Australian Society for Engineering in Agriculture
	Prof. Philippe Savoie	His work as Chair of the Scientific Program Committee for the 17 th CIGR World Congress, 13-17 June, 2010, Quebec, Canada
	Dr. Stéphane Godbout	Work as Chair of the Local Organizing Committee for the 17 th CIGR World Congress, 13-17 June, 2010, Quebec, Canada
Merit Award	Prof. Luis Santos Pereira	Remarkable work conducted for CIGR
	Prof. Maohua Wang	Sustained scientific contribution to the profession and the development of his country
	Dr. Lingjuan Wang	Dedicated service as Editor-in-Chief of the CIGR Ejournal
Fellow Award	Prof. William Chancellor	Contributions to the Agricultural and Biosystems Engineering Profession
	Dr. Da-Wen Sun	Contributions to the Agricultural and Biosystems Engineering Profession
	Prof. Richard Hegg	Contributions to the Agricultural and Biosystems Engineering Profession
	Prof. Yohei Sato	Contributions to the Agricultural and Biosystems Engineering Profession

	Prof. Vilas M. Salokhe	Contributions to the Agricultural and Biosystems Engineering Profession
	Prof. Shujun Li	Tireless efforts to support CIGR in China and around the world
Honorary Presidents	Prof. Irenilza de Alencar Nääs	Distinguished services during the period 2005-2010 as President of CIGR
	Prof. Takaaki Maekawa	Distinguished services during the period 2006-2009 as Secretary General of CIGR
Honorary Vice-Presidents	Prof. José M. Tarjuelo	Distinguished services during the period 2007-2010 as Chair of Section I
	Prof. Daniel Berckmans	Distinguished services during the period 2007-2010 as Chair of Section II
	Prof. Mikio Umeda	Distinguished services during the period 2007-2010 as Chair of Section IV
	Prof. Pietro Piccarolo	Distinguished services during the period 2007-2010 as Chair of Section V
	Prof. Jozef Grochowicz	Distinguished services during the period 2007-2010 as Chair of Section VI
	Prof. Jozef Grochowicz	Distinguished services during the period 2009-2010 as Chair of Section VII

CIGR Elections 2010 Composition of the CIGR Board for 2011-2014*

PRESIDIUM	
President	Prof. Fedro Zazueta (2009-2014)
Past President	Prof. Søren Pedersen (2007-2012)
Incoming President	Prof. Da-Wen Sun (2011-2016)
Secretary General	Prof. Toshinori Kimura (2010-2013)
EXECUTIVE BOARD	
1. Prof. John K. Schueller	ASABE
2. Prof. Shujun Li	AAAE & 2014 World Congress
3. Prof. Daniele De Wrachien	EurAgEng
4. Prof. Omar Ulloa	ALIA
5. Prof. Oleg Marchenko	EAAAE
6. Prof. Nicolay Mihailov	AAESEE
7. Prof. Stephane Godbout	Canada
8. Dr. Emmanuel Hugo	France
9. Prof. Adolf Rybka	Czech
10. Prof. Jerzy Weres	Poland
11. Prof. Thomas Banhazi	Technical Board
12. Prof. Da-Wen Sun	Coordinator of Working Groups
Co-opted:	
1. Mr. Yoshisuke Kishida	Asian Countries and Public Relations
2. Prof. Peter Schulze Lammers	Continuance of CIGR
3. Prof. Daniel Berckmans	Continuance of CIGR
4. Prof. Jose M. Tarjuelo	2012 International Conference
5. Dr. Yingkuan Wang	CIGR EJournal
AUDITING	
Prof. Josse De Baerdemaeker, Prof. Vilas M. Salokhe, Prof. Taichi Maki	

SECTION I: Land and Water Engineering			
Chair	Guanhua Huang (CN)		
Vice Chair	Mario Falciai (IT)		
Secretary	Gerrit-Jan Carsjens (NL)		
Members	Pat D. Taylor (US)	Enrique Palacios (MX)	Hon. Chairs:
	Jose Manuel Monteiro Gonçalves (PT)	José A. Morábito (AR)	Hubert N. van Lier (NL)
	Antonio Brasa Ramos (ES)	Jarbas Honorio de Miranda (BR)	Luis Santos Pereira (PT)
	Narendra Kumar Tyagi (IN)	Tsuyoshi Miyazaki (JP)	Andre Musy (CH)
	Ir. Budi Indra Setiawan (ID)	Yakov P. Lobachevsky (RU)	Yohei Sato (JP)
	Amadou Hama MAIGA (BF)		Mauro Greppi (IT)
			Jose M. Tarjuelo (ES)

SECTION II: <i>Farm Buildings, Equipment, Structures and Environment</i>			
Chair	Thomas Banhazi (AU)		
Vice Chair	Eberhard Hartung (DE)		
Secretary	Giovanni Cascone (IT)		
Members	Mohamed Hatem (EG) Joseph Flaba (BE) Richard Gates (US) Eileen Fabian Wheeler (US) Shuso Kawamura (JP) Tadeusz Kuczynski (PL)	Baoming Li (CN) Gert.-Jan Monteny (NL) Daniella Jorge Moura (BR) Sven Nimmermark (SE) Vasco Cruz (PT) Victoria Blanes-Vidal (ES)	Hon. Chairs: Soren Pedersen (DK) Daniel Berckmans (BE) Hon. Members: Jorge Meneses (PT) Irenilza de Alencar Nääs (BR)
SECTION III: <i>Equipment Engineering for Plants</i>			
Chair	John K. Schueller (US)		
Vice Chair	Karl Wild (DE)		
Secretary	Noboru Noguchi (JP)		
Members	Stanley Best (CL) El Hassan Bourarach (MA) Chee Wan Chan (MY) Pierluigi Febo (IT) Daniel Marçal de Queiroz (BR)	Vladimir Popov (RU) Francisco Rovira-Mas (ES) Vilas M. Salokhe (IN) Fang Xianfa (CN) Qin Zhang (US)	Hon. Chair: Oleg Marchenko (RU) Hon. Member: Markus Demmel (DE)
SECTION IV: <i>Energy in Agriculture</i>			
Chair	Janusz Piechocki (PL)		
Vice Chair	R.Cengiz Akdeniz (TR)		
Secretary	Károly Petróczki (HU)		
Members	Milan Martinov (RS) Nicolay Mihailov (BG) Volkhard Scholz (DE) Abdellah Ramdani (MA) Jadir Nogueiro da Silva (BR) Abdel Ghaly (CA)	Laurentiu Fara (RO) Kazunori Iwabuchi (JP) Dmitry S. Strebkov (RU) Guangnan Chen (AU) Ming Zhu (CN)	Hon. Chairs: Zoltan Sibalszky (HU) Kamaruddin Abdullah (ID) Mikio Umeda (JP)
SECTION V: <i>Management, Ergonomics and Systems Engineering</i>			
Chair	Claus Gron Soerensen (DK)		
Vice Chair	Remigio Berruto (IT)		
Secretary	Elisabeth Quendler (AT)		
Members	Ricardo Bartosik (AR) Dionysis Bochtis (GR) Jurgen Frisch (DE) Tarmo Luoma (FI) Tomohiro Takigawa (JP)	Ladislav Nozdrovicky (SK) Thiago Libório -Romanelli (BR) Matthias Schick (CH) Borja Velazquez Marti (ES)	Hon. Chair: Tadeusz Juliszewski (PL)
SECTION VI: <i>Postharvest Technology and Process Engineering</i>			
Chair	Linus Opara (ZA)		
Vice Chair	Shujun Li (CN)		
Secretary	Manuela Zude (DE)		
Members	Paolo Menesatti (IT) Kiyohiko Toyoda (JP) Vilas M. Salokhe (IN) Cesar Kapseu (CM) Alain LeBail (FR) Amauri Rosenthal (BR)	Margarita Ruiz-Altisent (ES) Laszlo Baranyai (HU) Jerzy Weres (PL) Servet Gulum Sumnu (TR) Michael Ngadi (CA)	Hon. Chairs: Da-Wen Sun (IR) Jozef Grochowicz (PL)
SECTION VII: <i>Information Systems</i>			
Chair	Seishi Ninomiya (JP)		
Vice Chair	Jiannong Xin (US)		
Secretary	Stavros G. Vougioukas (GR)		
Members	Antonio Mauro Saraiva (BR) Omar Ulloa (CR) Stanley C. Best Sepulveda (CL) Miguel Castro Neto (PT) Yibin Ying (CN)	Victor Alchanatis (IL) Patrizia Busato (IT) Pilar Barreiro Elorza (ES) Iver Thysen (DK) Arno Ruckelshausen (DE)	Hon. Chairs: Axel Munack (DE) Yasushi Hashimoto (JP) Nick Sigrimis (GR) Fedro Zazueta (US) Antonio M. Saraiva (BR)

*Above Composition of the CIGR Board for 2011-2014 was revised on 30 November, 2010. As for the revised one, please refer to the CIGR Newsletter No. 91.

IGR World Congresses and Internatinal Conferences, 2012–2014

CIGR-AgEng2012, International Conference of Agricultural Engineering on ‘Agriculture & Engineering for a Healthier Life’, 8-12 July 2012—Valencia, Spain <http://www.ageng2012.org/>

On behalf of the International Commission of Agricultural and Biosystems Engineering (CIGR), the European Society of Agricultural Engineering (EurAgEng), and the Spanish Society of Agricultural Engineering (Sociedad Española de Agroingeniería, SeAgEng) I have the pleasure of welcoming you to the International Conference on Agricultural Engineering, CIGR-AgEng2012, that will be held in Valencia, Spain, on 8-12 July, 2012.

This joint Conference organized by the CIGR and the EurAgEng will cover emerging research and new engineering solutions for food production and rural development, as a means to enhance human welfare while promoting social benefits. Recent and challenging concerns include the implementation of new methods of agricultural and forestry production, and the preservation of natural resources and landscape by applying modern engineering concepts. Healthier production systems need to encompass higher social and economic benefits.

The CIGR-AgEng 2012 Conference is addressed to academia, industry, producers, manufacturers and service providers from all over the world for discussion about novel approaches to integrate agriculture and engineering for enhancing the quality and expectance of life.

The main theme of this Congress is “Agriculture & Engineering for a Healthier Life”, an ambitious idea that claims how Agricultural and Biosystems Engineering represents an essential part of the solution for producing quality food while protecting the environment.

The Conference will be held in the Valencia Conference Center. Valencia is the third largest city in Spain with a population of one million people. A modern transportation network, including the Manises International Airport, an extensive system of motorways and trains, and one of the best marine ports in Europe provides easy access to the city from any part of the globe. Its privileged location on the Mediterranean coast, and a dynamic economy and cultural life, allows the city to enjoy a prominent position among other European cities.

In the vicinity of Valencia you can discover pretty towns and beautiful natural landscapes, practice a wide variety of sports, or enjoy over one hundred kilometres of magnificent beaches that stretch from the city itself along the coast.

The Conference is hosted by the Spanish Society of Agricultural Engineering (Sociedad Española de Agroingeniería) and it will be organized by the Valencian Institute of Agricultural Research (IVIA) and the Polytechnic University of Valencia (UPV).

The conference will include both oral and poster sessions. Authors are encouraged to indicate their preference for

presentation. A review committee will approve the proposed abstracts and request the full papers for their inclusion in the conference proceedings.

Graduate students and professionals from Developing Countries will be especially encouraged to attend the CIGR-AgEng2012 International Conference.

Relevant Information and Contact

Official Conference Language: English

Agenda

- Submission of abstracts on-line via website: **1 October, 2011**
- Notification of acceptance: **15 December, 2011**
- Submission of full papers: **15 March, 2012**
- Final programme: **20 May, 2012**

Early Registration Price:

530 €for EurAgEng, ASABE and CIGR members.

590 €for non-members.

450 €for low and low-middle income countries (LIC-LMIC)

350 €for students

Scientific committee:

Based on CIGR and EurAgEng Sections and Working Groups.

Web page and Preliminary Registrataion

Further information on the conference can be found in the conference website: <http://cigr.ageng2012.org/>

Contact

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Phone: +34 963 424 010; Fax: +34 963 424 002

The XVIII CIGR World Congress 2014 Agricultural & Biosystems Engineering - Upgrading Our Quality of Life Beijing, China, 16-19 September, 2014

The XVIII World Congress of the International Commission of Agricultural and Biosystems Engineering (CIGR) will be held in Beijing, China from 16-19 September, 2014. Preparation for the big event has been proceeding smoothly. The Preparatory Committee and the Secretariat of the Congress have been set up and appropriate staff and facilities allocated.

Theme: Agricultural and Biosystems Engineering - Upgrading Our Quality of Life

Time: 16-19 September, 2014, **Venue:** Beijing

Call for papers:

The Congress will focus on the above-mentioned areas and contributions in those and the related areas are appreciated. Scientists, professors, practicing engineers, enterprises managers and students engaged in agricultural/biosystems engineering are encouraged to participate in this big event

and are invited to submit paper proposals to the Congress. Detailed instructions for submitting abstracts will be in the 2nd announcement.

Preparation Office:

The preparation office is located in CAAMS and the website of the Congress will be available soon. At present you may contact the Congress as follows:

Prof. Lanfang ZHANG

International Cooperation Department
Chinese Academy of Agricultural Mechanization Sciences (CAAMS)
NO.1 Beishatan Beshengmen Wai Beijing 100083 China
Tel: 0086-10-64882358
Fax: 0086-10-64883508
Email: cigrcw2014@yahoo.cn

2. NEWS FROM REGIONAL AND NATIONAL SOCIETIES

CIGR International Symposium 2011 Sustainable Bioproduction - Water, Energy, and Food (WEF 2011)

19-23 September, 2011, Tokyo, JAPAN

<http://www.cigr2011.org/>

INVITATION : Growing uncertainty over the future status of water, energy and food resources in light of the devastating scenario of global warming has led the world to strive to seek solutions for the perennial development of humankind. Recent developments in biomass technology have raised the unexpected issue of the crop resource trade-off between energy crops, feed crops and food crops. CIGR has been dedicated to developing world water resources, to modernizing world food production and to conserving our environment with the commitment of agricultural engineers and scientists from CIGR member nations. The challenge currently faced by us for the coexistence of humankind throughout the world is to find a method to balance our resource utilization and energy development; this task might well be termed as a CIGR mission. In 2011, all engineers, scientists and affiliates from 7 technical sections of CIGR will meet in Tokyo to discuss the updated controversial issues on water, energy and food along with the latest technological development that the world would seek.

Prof. Taichi Maki

Chair of the National Organizing Committee

SYMPOSIUM OBJECTIVES: The 2011 CIGR International Symposium on "Sustainable Bioproduction - Water, Energy, and Food", 19-23 September, 2011, Tower Hall Funabori, Edogawa, Tokyo, JAPAN will bring together researchers and professionals interested in new ideas, engineering, and technologies used in sustainable bioproduction systems. Attendees will be able to share ideas, theories, techniques, challenges, and concerns with peers and expand their professional networks worldwide. They will also have the opportunity to attend many joint activities. The symposium is opened to researchers and engineers from all over the world as well as general public those who are interested in the global issues with water, energy, and food.

PROGRAM

Opening Ceremony:

Large Hall; 9:00 -12:00, 20 Sept., 2011

Opening Remarks: 9:00-10:15

1. Opening Address:

(1) Welcome Address by the Chair of the Organizing Committee of CIGR International Symposium 2011 in

the Science Council of Japan: Dr. Taichi Maki, Chair of the National Organizing Committee (Visiting Prof. Univ. of Tsukuba, Prof. Emeritus Kyushu Univ.)

(2) Welcome Address by the President of the Science Council of Japan

2. CIGR Opening Ceremony Comments by the President of CIGR:

Dr. Fedro Zazueta, Incoming President of CIGR

3. Message from the Prime Minister of Japan:

4. Congratulatory Address by the Guests: (2 or 3 persons)

5. Keynote Speech: Large Hall; 10:20 -12:10

(1) Food Refrigeration and Computerized Food Technology, Prof. Da-Wen Sun, Univ. College Dublin, Ireland (to be approved)

(2) Future Perspectives for Agricultural Engineering in Japan, Prof. Noboru Noguchi, Hokkaido University, TC Chair of IFAC and Member of Science Council of Japan

(3) Management of Water as an Essential Element of Crop, Dr. Pasquale Steduto, FAO

6. Invited Speech: Large Hall; 13:30 -15:30

(1) Development Biofuel Industry in EU, Dr. Axel Munack, Germany

(2) Fruit Speaking Approach for Precision Farming Production of Ornamentals, Dr. Josse De Baerdemaeker, Belgium

(3) Advance Communication Technology in Agriculture, Dr. Fedro Zazueta, USA

7. Open Extension Session: Small Hall; 15:30 -17:00

Vertical Farming: Dr. Dickson Despommier, Columbia University, USA

Symposium program

21 Sept.: Excursion;

(A) Tsukuba Science City (B) Tokyo Down Town (C) Nikko Sight Seeing (D) Tokyo Bay Night Cruise

22-23 Sept.: Organized Session (Keynote Speech)

(1) Michigan State University: Energy-efficient Management of the Greenhouse Environment in the Production of Ornamentals, Dr. Erik Runkle

(2) RFID - Integrated Remote Sensing System for Green House Production, Dr. Suming Chen, Taiwan

(3) Japan's Commitment for R & D of Plant Factory, Prof. Haruhiko Murase, Japan

(4) Suitable Bioproduction in ASEAN, Dr. Hadi Pruwadaria, IPB Bogor

- (5) Agricultural Automation, Washington State University: Robotics and Vehicle Automation in the US, Prof. Qin Zhang
- (6) Robotics and Vehicle Automation in EU, Prof. Simon Blackmore, Visiting Professor of University of Thessaly, Greece
- (7) Robotics and Vehicle Automation in China, Prof. Xiwen Luo, Professor of College of Engineering, South China Agricultural University and Academician of Chinese Academy of Engineering

Simultaneous Academic Programs (Dates to be arranged)

Environ Water (Section I), Intelligent Plant Factory (Sponsor: Committee of Agricultural Information Systems, Science Council of Japan), Robot Farming Systems, Agroforestry, Dryfarming, Desertification, Agrometeorological Disaster (Organized sessions)

CALL FOR PAPAERS

Important Dates:

- Submission of abstract: **1 Dec., 2010**
- Notification of acceptance: **31 Dec., 2010**
- Initial manuscript submission: **1 April, 2011**
- Critiqued manuscript returned to authors: **1 June, 2011**
- Final camera-ready manuscript submission: **1 July, 2011**
- Early registration due: **1 July, 2011**
- Registration due: **1 August, 2011**
- Symposium: **19-23 September, 2011**

Registration due:

Participants are encouraged to take advantage of early bird registration by completing a Registration Form and paying lower registration fees on line. The registration fees are calculated in JP Yen.

Location:

The Symposium venue will be at the Tower Hall Hunabori, Edogawa, in Tokyo, Japan. It is located in the South - East area of Tokyo and it takes the hall about one hour from Tokyo International Airport by limousine bus.

Abstract Submission Form:

It will be available from Symposium website.
(<http://www.cigr2011.org/>)

Subject Areas:

- 1) Soil and Water in Agriculture
- 2) Facilities and Environment
- 3) Equipment Machinery and Structures
- 4) Electric Power, Wind Energy, Solar Energy and Biomass Energy
- 5) Operative Management of Post Harvest
- 6) Paddy Field Agriculture
- 7) Upland Field Agriculture
- 8) Arid Land Farming
- 9) Food Production
- 10) Agricultural Robot and Bio-Robotics
- 11) Remote Sensing
- 12) Risk, Security and Safety on Agriculture
- 13) General or Miscellaneous Topics

Information for authors:

Submit an abstract limited to 500 words, including the title of the paper. List the names and affiliated organizations of

all authors in the abstract. The abstract should be self-contained, concise, and informative. It should describe the research objectives, methods used, and the major findings.

Symposium Language:

The official language of the symposium will be English. All the papers should be sent in English.

REGISTRATION

Participants are encouraged to take advantage of early bird registration by completing a Registration Form and paying lower registration fees on line. Or they can register on site paying the standard registration fees. The registration fees are calculated in JP Yen.

Registration Fee (¥)	Before 30 June, 2011	After 1 July, 2011	(Fee in Japanese Yen, ¥100 ÷ \$1)
Delegates except LIC & LMIC*	¥40,000	¥50,000	included Welcome Party Fee & Banquet Fee
Students and LIC & LMIC*	¥25,000	¥30,000	included Welcome Party Fee & Banquet Fee
Daily	¥15,000	¥18,000	
Banquet (extra)	¥8,000	¥8,000	
Excursion on 21 Sept.	¥6,000	¥6,000	

*: LIC and LMIC: The list of low income and low-middle income countries is from the World Bank.

The fee for full program delegates includes: Access at the symposium meetings for 5 days (19-23 Sept.), Reception on 19 Sept. and Banquet on 22 Sept., Coffee breaks and poster sessions, Each participant will receive a paper copy of the program and the abstracts, and a CD-ROM of full papers.

The fee for daily delegates includes: Access at the symposium meetings for 1 day, Coffee breaks and poster sessions, each participant will receive a paper copy of the program and the abstracts, and a CD-ROM of full papers.

SPONSORS

SCJ (Science Council of Japan),
JAICABE (Japan Association of International Committee of Agricultural and Biosystems Engineering)
CIGR (International Commission of Agricultural and Biosystems Engineering)

ORGANIZATION

International Program Committee (IPC)

Chair: Prof. Haruhiko Murase
Vice Chair: Prof. Shujun Li , Prof. Noboru Noguchi
Secretary: Prof. Hiroshi Shimizu

Chairs of CIGR Section Board I to VII

National Organizing Committee (NOC)

Chair: Prof. Taichi Maki,
Vice Chair: Prof. Haruhiko Murase, Prof. Masaharu Komamura , Prof. Takemi Machida
Secretary: Prof. Emeritus Takaaki Maekawa

SECRETARIANT OFFICE

Associate Prof. Dr. Yutaka Kitamura
(Vice Secretary of the Symposium)
Bioindustrial Sciences, Graduate School of Life and
Environmental Sciences, University of Tsukuba

1-1-1 Tennodai, Tsukuba, Ibaraki 305-8572

e-mail: CIGR2011@agbi.tsukuba.ac.jp

<http://www.cigr2011.org>

	19(Mon) Sept.	20(Tue) Sept.	21(Wed) Sept.	22(Thu) Sept.	23(Fri) Sept.
Morning		Opening Ceremony, Keynote Speech	Excursion, Open Extension Session	Oral & Poster Presentations	Oral & Poster Presentations
Afternoon	Registration	Invited Speech, Open Extension Session	Excursion, Open Extension Session	Oral & Poster Presentations	Oral & Poster Presentations, Closing Ceremony
Evening	Welcome Party	Various Meetings	Various Meetings	Various Meetings, Banquet	

**7th International Scientific and Practical
Conference
ECOLOGY AND FARMING
TECHNOLOGIES: AGRO-ENGINEERING
APPROACHES
17-19 May 2011, Saint Petersburg-Pushkin,
Russia**

Aims and Objectives

- To present and discuss the latest and the most efficient developments in agricultural engineering and production aimed at reducing the adverse effect of agricultural techniques and machinery on the environment
- To stimulate the wide dissemination of the most advanced concepts, experiences and investigation results as well as to promote international cooperation and «know-how» transfer
- To give the researchers, agricultural machinery manufacturers and farmers from Russia, CIS and Western countries an opportunity to establish personal contacts and exchange opinions and ideas

The scientific program will include plenary sessions, parallel oral sessions and poster sessions on the following topics:

Plant production

- New environmentally friendly cropping technologies and devices
- Engineering aspects of organic farming
- Designing methods and environmental assessment of site-specific technologies, machinery and equipment
- Precision farming

Livestock production

- New environmentally friendly technologies and devices in livestock management

- Designing and reconstruction of farm buildings for animal keeping
- Animal waste management
- Livestock environment

Energy in farming

- Optimization of energy use in agriculture
- Renewable energy sources and their agriculture application
- Automation in farming

Venue

North-West Research Institute of Agricultural Engineering and Electrification (SZNIIMESH), Saint Petersburg-Pushkin, Russia

Booked in advance accommodation will be provided in the hotels in Saint Petersburg and Pushkin

Additional Information

- Conference languages are Russian and English (translation provided)
- Oral presentations should not exceed 15-20 minutes
- Conference Proceedings will be published in book format after the revision of the submitted papers

International Advisory Committee under the leadership of acad. Yury Lachuga, Vice-President of RAAS, will include the representatives of the organizers and the leading Russian and foreign research centers.

Deadlines

- Registration form and abstract of around 500 words: **1 October, 2010**
- Notification of acceptance, terms of participation and hotel booking, guidelines for authors: **1 November, 2010**
- Submission of full papers: **31 December, 2010**

Registration - <http://www.sznii.ru>

Contacts: Larisa Levchenko, Guenrikh Agapov
(812) 466 78 04; fax (812) 466 56 66; nii@sp.ru

3. NEWS FROM SECTIONS AND WORKING GROUPS

CIGR Section I

“Land and Water Engineering”

Minutes of the Board Meeting

13 June 2010 in Quebec, Canada

Item 1: Opening and welcome

The Chairman of CIGR Section I, Jose Maria Tarjuelo, welcomed all Board Members and observers present to this public session.

He expressed the Board's gratitude to the organizers of the 13th Inter-Regional Conference on Land, Water and Environment (EnviroWater 2010) in conjunction with the XVIIth World Congress of CIGR for hosting this Meeting.

Item 2: Minutes of the 2009 Board Meeting in Marrakech, Morocco

The Board approved the minutes of the meeting held in Marrakech, Morocco, 8 Nov., 2009, on the occasion of 12th Inter-Regional Conference on Water and Environment.

Item 3: Report on organized/ sponsored/ co-sponsored conferences/ symposia/ workshops

The reported on the activities that are being undertaken in 2009 and 2010:

- Co-sponsor of the International conference on “Modelling, Simulation and Optimization in Engineering”, 27- 28 Dec., 2009, Beijing, China
- Co-sponsor of the International Training Program on “Efficient Irrigation Technology and Management” for developing countries, 13- 31 Oct., 2009, Beijing, China.
- Co-sponsor of the V Congreso Nacional y II Congreso Ibérico de Agron Ingeniería, 28-30 Sept., 2009, Lugo, Spain.
- Co-sponsor of the International Conference on “Landscape Legacy: Landscape Architecture and Planning between Art and Science”, Maastricht, the Netherlands, 12-14 May, 2010.
- Co-sponsor of the Second International Conference on “Flood Recovery Innovation and Response”, Milano, Italy, 26-28 May, 2010.
- Co-sponsor of the Third International Conference on “Sustainable Irrigation Management, Technologies and Policies”, Bucharest, Romania, 7-9 June, 2010.
- Co-sponsor of the International Conference on “XVIIth World Congress of CIGR”, Quebec City, Canada, 13-17 June, 2010.
- Co-sponsor of the International Training Program on “Efficient Irrigation Technology and Management” for developing countries, 18 June - 7 July, 2010, Beijing, China.
- Co-sponsor of the International Conference on “International Conference on Engineering Computation” (ICEC2010), Beijing, 18-19 Sept., 2010, (www.icec-meeting.org).

The board agreed to ask all the members to become more and more active to promote and sponsor conferences under the scope of CIGR Section-I all over the world.

Item 4: 13th Inter-Regional Conference on “Land,

Water and Environment ” in Quebec, Canada 2010

On behalf of the local organizer, the Chairman of the Scientific Committee of the XVIIth World Congress of CIGR, Prof. Philippe Savoie, reported the congress in conjunction with the 13th Inter-Regional Conference on Land, Water and Environment, in Quebec, Canada from 13-17 June, 2010.

This conference was jointly organized by CIGR, CSBE (Canadian Society for Bioengineering), ASABE (American Society of Agricultural and Biological Bioengineering), AEES (American Ecological Engineering Society), INFITA. The Board of Section I expressed its gratitude to Prof. Philippe Savoie for the excellent organization of the congress.

Item 5: Landscape Architecture and Planning between Art and Science, Maastricht, the Netherlands, 12-14 May, 2010

On behalf of the local organizer, the member of CIGR Section I, Dr. Gerrit-Jan Carsjens, from the Wageningen University reported the International Conference on Landscape Legacy: Landscape Architecture and Planning between Art and Science, which was held in Maastricht, the Netherlands, 12-14 May, 2010. This conference was jointly organized by CELA - Council of Educators in Landscape Architecture, USA, ISOMUL - International Study group on Multiple Uses of Land and the Land Use Planning and Landscape Architecture groups of the Wageningen University, the Netherlands,. A total of 261 participants did register for the conference. The program included 4 keynote speakers, 208 oral presentations in parallel sessions, and 15 poster presentations. The conference program also included 5 conference tours, to different locations in The Netherlands, Germany and Belgium. An abstract book and full papers at CD-ROM were handed to the participants upon arrival in Maastricht. For more information see: www.isomul.com.

Item 6: 14th Inter-Regional Conference in CIGR International Symposium 2011 on "Sustainable Bioproduction - Water, Energy, and Food", 19-23 September, 2011 Tokyo, JAPAN

The Board invited Prof. Takaaki Maekawa (Japan), the former Secretary General of CIGR, and Prof. Taichi Maki (Japan) the local organizer to discuss the joint organizing the 14th Inter-Regional Conference on Water and Environment (EnviroWater 2011), on the occasion of the CIGR International Symposium 2011 on "Sustainable Bioproduction - Water, Energy, and Food" which will be held at 19-23 Sept., 2011 Tokyo, JAPAN. The Board strongly recommended and the local organizer agreed to co-organizing this event. The Board also agreed to proposing the topics and subtopics, and establishing a special webpage for this Inter-Regional Conference as soon as possible.

Item 7: 15th Inter-Regional Conference in CIGR-EurAgEng joint Congress on Agricultural Engineering 2012 Valencia Spain (<http://cigr.ageng2012.org>)

On behalf of the local organizer, Prof. José M. Tarjuelo, the Chairman of the CIGR Section I reported the preparation of

the 15th Inter-Regional Conference on “Land and Water management with limited availability” (ENVIROWATER 2012) in CIGR-EurAgEng joint Congress on Agricultural Engineering 2012 Valencia Spain, which will be held Valencia Spain, 8-12 July, 2012.

The 15th Inter-Regional Conference “EnviroWater 2012” is a forum for scientists, engineers and managers of water, land and environment. The topics include all the strategies and technologies to improve the sustainable use and management of resources in order to achieve an improvement in productivity and in sustainable rural development, but with no risks for health.

Topics

1. Water management with limited availability technologies
 - Water resources and ecosystems management
 - Climate change and water management
 - Water saving and water productivity
 - Innovative approaches and tool for planning and management of water use
 - On-farm water management: water conservation and irrigation water savings
2. Water Quality and Environmental Safety
 - Water treatment and reuse
 - Water quality criteria for various use
 - Waste Water Management
 - Eco-system water requirement
3. Socio-Economic, Institutional and Policy Issues in water management
 - Water as a basic human right
 - Water management and social inequality (Trade and pricing).
 - Water management and integration of marginalized groups (Gender equality).
 - Water users participatory management
 - Socio-economic and environmental aspects of sustainable water management
4. Management and planning of multifunctional land and water use
 - The exploitation and conservation of prevailing natural resources
 - Water management systems and land use planning on water shed level
 - Changing land uses in areas with limited water resources
 - Soil, water and landscape conservation
 - Multifunctional land and water uses in regions with limited resources. Water transfers

Item 8: Proposals of Section-I Composition

The composition of the Board of Section I on Land and Water for 2011 to 2014 was proposed to the CIGR presidium in the board meeting, Marrakech, Morocco, 8 Nov., 2009. The members who attended the board meeting, in Quebec, Canada, 13 June, 2010, agreed to the proposal which was approved later by the CIGR presidium.

*Prof. Dr. Guanhua Huang
Next Chairperson of Section I*

CIGR Section IV

“Bioenergy and other renewable energy technologies and systems”

33 International Symposium, 23-25 June, 2011 Bucharest, Romania

Symposium Programme

The Scientific Programme includes the following:

- Invited lectures
- Oral presentations
- Poster sessions
- Board Meeting of the Section IV of CIGR
- Study tours: technical and cultural tours

Topics

- Bioenergy and the climate change
- Raw material resources (forestry, agriculture, waste)
- Fuel production
- Bioenergy markets
- Small scale biopower (CHP)
- Biogas technologies
- Biofuels in the transport sector
- Biomass conversion technologies (combustion)
- Bioenergy in a sustainable society (environment, emission control, ash recycling, ao.)
- Financing bioenergy projects
- Solar thermal systems
- PV systems
- Wind power systems
- Energy efficiency technologies

Language

Invited lectures, oral presentations and poster presentations, to be published in the Proceedings of the Symposium will be accepted in English.

Accommodation

A list of recommended hotels (including the guest hotel from Polytechnic University of Bucharest) at acceptable room rates will be found on the Symposium web site.

Website

A Symposium Website will be achieved. Abstracts (max. 300 words), as well as full papers will be submitted online. Each accepted paper (max. 6 pages) could be published in the Symposium Proceedings.

Agenda

Submission of abstracts online: **1 November, 2010**

Notification of acceptance: **15 January, 2011**

Submission of full papers: **30 March, 2011**

Final program: **30 May, 2011**

Contact Person

Prof. Dr. Laurentiu Fara, e-mail:lfara@nare.renerg.pub.ro

CIGR Section VI

6th International CIGR Technical Symposium Towards a Sustainable Food Chain Food Process, Bioprocessing and Food Quality Management

Nantes, France, 18-20 April, 2011

Topics

- Postharvest technology
- Preservation, storage, and distribution
- Processing equipment and technologies for agricultural and food products

- Innovative and non thermal technologies
- Properties of agricultural products & foods
- Engineering for food safety and security
- Foods and Sensors, sensing technology
- Mathematical modelling and simulation
- Process control
- Product monitoring in the supply chain
- Energy efficiency and environmental friendliness of agri-food chain

Important deadlines

- Call for papers **10 March, 2010**
- Abstract submission: **15 October, 2010**
- Abstract confirmation: **15 November, 2010**
- Early bird payment: **15 December, 2010**
- Registration payment: **18 February, 2011**
- Full paper submission: **18 February, 2011**

Website

<http://impascience.eu/CIGR/index100.html>

International Workshop on Food Safety

The Food and Microbial Engineering Laboratory of the University of Burgundy and Agrosup Dijon, together with the Embrapa Labex Europa and the Food Safety Group of CIGR (International Commission of Agricultural Engineering) organise the workshop "Food Safety: Advances and Trends", to be held on the 14 and 15 April 2011 at Agrosup Dijon in Dijon (France), with the support of Welience.

The Workshop will cover different topics including analytical procedures for contaminants detection and quantification, risk management and control, food preservation processes: design, optimisation and validation.

Keynotes talks will be provided by invited speakers and oral and posters sessions will take place all along the event.

The Workshop is a preliminary event of the 6th International Seminar organised by CIGR Section VI, entitled Towards a Sustainable Food Chain: Food Process, Bioprocessing and Food Quality Management, to be held in Nantes from 18 to 20 April 2011.

Topics to be focused on the Workshop may include:

- Food Analyses: Food microbiology; chemical hazards;
- Hazard control and risk management: Good agriculture and manufacture practices; Risk assessment; Risk perception and communication; Advances in HACCP; ISO 22000; food safety legislation;
- Preservation processes: Process design and control; Advances in thermal process; Emerging technologies and food safety.

The participants of both the Food Safety Workshop in Dijon and the International Seminar in Nantes will have a special discount regarding the price for registering to both events.

Further information will be soon available regarding the Program and abstract submission for poster or oral presentation.

Co-chairs:

Pr. Patrick Gervais,

Director of the Food and Microbial Engineering Laboratory,
University of Burgundy and Agrosup Dijon

Dr. Amauri Rosenthal,

Senior Researcher, Embrapa Labex Europe,
Amauri.Rosenthal@u-bourgogne.fr

4. CIGR SUPPORTED ACTIVITIES

39th International Symposium Actual Tasks on Agricultural Engineering 22-25 Feb. 2011, Opatija, Croatia

About Symposium

Symposium "Actual Tasks on Agricultural Engineering" has been organised for 38 years that shows its tradition and importance. During last years the Symposium achieved more international meaning thanks to co-sponsoring of EurAgEng, CIGR, AAAE and AAEESE. Papers from Symposium's proceedings are indexed into world's famous databases as ISI Proceedings (part of the ISI's Web of Knowledge), ISI - Index to Scientific & Technical Proceedings, CABI Agricultural Engineering Abstracts, InterDok and Cambridge Scientific Abstracts – Conference Papers Index.

Aim of Symposium

The aim of the Symposium is to present the latest scientific results on all aspects of research, design and development work in the various disciplines of agricultural engineering.

Topics

The main topics to be covered by Symposium are:

- Land & Water Use and Environment
- Power and machinery

- Information Systems and Precision Farming
- Livestock Technology
- Processing & Post Harvest Technology and Logistics
- Energy and Non-Food Production Technology
- Systems Engineering and Management
- Fruit & Vegetable Cultivation Systems
- Global Issues

Travelling

To arrive in Opatija you can travel by plane, train or bus to Zagreb, Ljubljana (Slovenia) or Trieste (Italy) and then by train or bus to Rijeka. From Rijeka to Opatija drives local bus.

Accommodation

Symposium secretariat will book rooms at Grand Hotel Adriatic for authors who intend to attend Symposium. Information about hotel will be available at Internet:

<http://www.hotel-adriatic.hr/>

Registration Fee

The registration fee of 125 € covers proceedings and farewell banquet. Only those papers of authors who pay the registration fee will be published in the conference proceedings. Members of EurAgEng, CIGR, AAAE and AAEESE will be given 20% lower fee.

Language

The official language of the symposium will be English and Croatian.

Call for Papers

Abstracts in English not exceeding 500 words should be submitted before 15 September, 2010. Each Abstract will be reviewed and the decision of the Scientific Committee will be conveyed to each author by 20 September, 2010. The full papers must be submitted by 10 November, 2010. The instructions for writing the paper are available on Web site. Instructions can be also send by fax or e-mail by author's request.

Key Dates

- Submission of abstract: **15 September, 2010**
- Notification of paper acceptance: **20 September, 2010**
- Submission of full paper: **10 November, 2010**
- Fee payment deadline: **10 December, 2010**

Symposium Secretariat

Faculty of Agriculture, Agricultural Engineering Department, Svetosimunska 25, HR-10000 Zagreb, Saint Petersburg, Croatia Tel.: +385 1 2393819, Fax: +385 1 2393724, E-mail: atae@agr.hr

Official Web Page: <http://atae.agr.hr>

**11th International Congress on Mechanization
And Energy In Agriculture
21-23 September, 2011, Klassis Resort Hotel,
Istanbul, Turkey**

Invitation

Dear Friends and Colleagues,

The agricultural mechanization congresses, which have been regularly held in Turkey for 36 years as national and international, have being organised under the title of "The International Congress on Agricultural Mechanization and Energy in Agriculture" once in three years. We have undertaken the honour of arranging the 11th International Congress on Mechanization and Energy in Agriculture as the Department of Agricultural Machinery bound to Namik Kemal University Faculty of Agriculture.

Important Dates

- Submission of abstract proposals: **15 December, 2010**
- Notification of acceptance / rejection of proposals received, instructions emailed for paper preparation: **20 February, 2011**
- Early registration: **15 March, 2011**
- Deadline for submissions of full papers: **20 April, 2011**
- Final notification of acceptance of full papers: **10 July, 2011**
- Final deadline for late registration: **25 July, 2011**

Website

<http://trakageng2011.nku.edu.tr/>

**7th International Symposium on Cement Based
Materials for a Sustainable Agriculture
18-21 September, 2011
Québec City, Canada**

The organising committee is delighted to invite you to the 7th International Symposium on Cement Based Materials for a Sustainable Agriculture of the International Commission of Agricultural Engineering (CIGR). This Symposium will take place at the Château Bonne-Entente, located in Québec City.

Get to know your international colleagues at evening receptions or on visits to the famous sights of Québec City and its surrounding area. The technical tours will provide an opportunity to visit research farms and a concrete university laboratory.

Program

The scientific program will include plenary sessions and sessions on the following topics :

- Concrete deterioration;
- Low emitting concrete construction for animal production;
- Concrete and animal welfare;
- Concrete and green building (ex.: label and environmental declaration);
- Water and wastewater management;
- Air and water tightness in concrete structures;
- LCA and concrete used in sustainable farm building.

Important Dates

- Abstract submission deadline: **12 November, 2010**
- Notification of acceptance: **January, 2011**
- Paper submission deadline: **30 May, 2011**
- Early bird registration: **Up to 1 June, 2011**

Symposium date

18-21 September, 2011

Symposium language

English

Contact person:

Dr. Stéphane Godbout
IRDA, Complexe scientifique, bur. B.1.305.23, 2700, rue Einstein, Québec (Québec), G1P 3W8, Canada
stephane.godbout@irda.qc.ca
418-646-1075

Symposium Organization

Updated information about the Symposium is available:

<http://www.bioeng.ca/event>

5. PUBLICATIONS

**Agricultural Engineering International
The CIGR Ejournal
Dr. Wang Yingkuan, Acting Editor-in-Chief
ISSN 1682-1130
Send manuscripts for peer review to**

www.CIGRjournal.org

Since the implementation of Open Journal System(OJS) by the CIGR Journal, the number of manuscript submissions continues to increase. The table below shows the statistics for the CIGR Journal from April to June 2010 after using OJS.

2010 Statistics for the CIGR Journal (April – June)

Issues (Vol.12, No.1, 2, 2010)	published 2 (No. 2 in publishing)
Items (Research papers)	published 23 in No.1, 16 in No. 2
Total new submissions	33
Peer reviewed	33
Delayed at section editor's hand	22 (66.7%)
In review with some review comments	7 (21.3%)
In review without review comments	3 (9%)
Accepted	0
Declined	1 (3%)
Resubmitted	0
Days from submission to complete review	Over 90

Note: Percentages for peer-reviewed submissions sometimes may not add up to 100% as items resubmitted are either accepted, declined or still in the process of review. From April to June of this year, since I was appointed as the new editor-in-chief after the handover ceremony held on 7 April, 33 manuscripts have been submitted, which is less in number compared to the 41 submissions from January and March. The average time to conduct a review and publish a

manuscript is far more than 30 days (compared with the data from the first season). As we can see many submissions (66.7%) were in the queue awaiting review by section editors. This is due to a number of reasons, such as unsmooth transition after the retirement of some section editors, too much workload on limited number of section editors, less familiarity of online review using OJS, and some other personal reasons.

Currently, the total registered users in CIGR Journal through OJS reached 2225, however, among which there are 829 registered as reviewers in the journal database. Owing to the incomplete registration information, particularly without reviewing interests, it is hard to select proper reviewers according to their expertise. CIGR Journal will warmly welcome your participation and appreciate your support. If you have not registered in the CIGR Journal, please do so by going to the Website and registering as an author and reviewer.

Moreover, there are in all 212 manuscripts submitted to CIGR Journal, with 21 papers accepted. Only in July, there are 27 new submissions, particularly with 3 papers accepted. Thank you.

Dr. Wang Yingkuan
Editor-in-Chief of CIGR Journal

CIGR Section Boards (for 2010)

Section I:	<i>Land and Water Engineering</i>	(Chair: Jose M. Tarjuelo [Spain])
Section II:	<i>Farm Buildings, Equipment, Structures and Environment</i>	(Chair: Daniel Berckmans [Belgium])
Section III:	<i>Equipment Engineering for Plants</i>	(Chair: John K. Schueller [USA])
Section IV:	<i>Energy in Agriculture</i>	(Chair: Mikio Umeda [Japan])
Section V:	<i>Management, Ergonomics and Systems Engineering</i>	(Chair: Pietro Piccarolo [Italy])
Section VI:	<i>Postharvest Technology and Process Engineering</i>	(Chair: Jozef Grochowicz [Poland])
Section VII:	<i>Information Systems</i>	(Chair: Antonio Saraiva [Brazil])

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