



International Commission of Agricultural and Biosystems Engineering

# **CIGR**

Newsletter Quarterly

**Newsletter No. 93**  
**July 2011**

*Since 1930*  
*81 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

Dear colleagues and friends,  
Over the past few years the CIGR Presidium has engaged, amongst other activities, in using ICT in improving services that CIGR provides to agricultural and biosystems professionals worldwide. In the past, a focus of these efforts included CIGR's web presence and the CIGR Journal.

More recently the following were put into production (these can be accessed from CIGR.org):



Prof. Fedro Zazueta

### 1) A service to host CIGR Proceedings.

This service consists of hosting proceedings or memoirs resulting from CIGR sponsored conferences and other similar activities. It is available to the organizers of the event to host the related documents in perpetuity.

The purpose of this service is to avoid a problem associated with independent websites that host valuable materials that with time are not maintained and often completely lost. This results in valuable reference materials no longer being available to those that may benefit from it.

### 2) Digital versions of the CIGR Handbooks

The CIGR handbook is a comprehensive collection of agricultural engineering reference material to the date of publication. This six volume handbook series provides useful information to engineers and others involved in agricultural and biosystems technology.

A barrier to access the CIGR handbooks was the high cost of print. To avoid this limitation, digitized versions of the CIGR Handbooks are now available at CIGR.org for download, at no cost to any interested individual.

It is strongly recommended that the information in these handbooks be supplemented by work published in the CIGR Proceedings and other trusted sources of information, particularly for developments that took place after the original publication date of any particular handbook.

We continue to move forward to improve access to our collective knowledge by removing barriers and capitalizing on opportunities that provide collaboration platforms where a free exchange of ideas and information can take place. For this purpose I invite you to contact any of the CIGR Presidium members with your ideas as to how we can make this goal a reality.

Regards,

*Prof. Fedro Zazueta  
President of CIGR*

## Reports and Announcements from the Secretary General

### 1. Summary of the Presidium Meeting held at 14:00-18:00 on 18 April 2011, at Room B317, La Cite Nantes Events Center in Nantes, France

In attendance: President Fedro Zazueta, Past President Søren Pedersen, Incoming President Da-Wen Sun and Secretary General Toshinori Kimura

#### 1) Candidate nomination of next Incoming President

The Presidium Members confirmed that the fundamental basis for the nomination of the next Incoming President is "Diversity in the Sections and Geography". Sections III, IV and V have not been represented up to present. From the geographical aspect, Australia, Russia, China and etc. have not been represented. Based on these recognitions, all PM will have their suggestions by the next presidium meeting.



Prof. Toshinori Kimura

#### 2) Maximum number of members in each Section Board

The Presidium Members discussed this issue that was raised from the last TB meeting in Quebec, Canada. They confirmed that 16 members are established by CIGR Statutes. The President will send a simple memo to Section chairs indicating that the meetings are run at the discretion of the section but it is recommended that interested members are allowed to attend.

#### 3) Invitation of former presidents to CIGR arrangement

Valencia, the host of next CIGR Conference in 2012, is obligated to pay the registration fee for the PM in accordance with the tradition. At this time, the President will ask Valencia that the fees of former presidents also be waived as a special courtesy.

#### 4) Current financial report of the year 2010

The Secretary General presented the current financial report. The PM basically accepted it and it will be sent to the auditors shortly.

#### 5) Membership application from India (Indian Society of Agricultural Engineering)

It was basically approved in the last Skype PM. If the SG receives the final application forms from them by the end of August, it will be included in the agenda for the next Executive Board meeting in coming September.

**6) Candidate of next CIGR GS/SG from 2014**

Although there is a possibility of being filled by another university in Japan, the nomination is still open. The PM will indicate the candidates in the next EB meeting.

**7) Award procedures for next CIGR Conference in 2012, in Valencia, Spain**

The Past President who is the chair of CIGR Award Committee reported the committee was established by 3 members, Prof. Alex Munack, Prof. Daniel Berkman and the Past President. As announced in the last Newsletter No. 92, 1 September is the deadline for the recommendation submission. The PM discussed the schedule and protocol of the ceremony in Valencia and how to get industry donation for prizes.

**8) New Working Group proposal**

The Incoming President who is the Coordinator of WG presented two proposals, "Operations management in bio-production systems" and "Logistics". The PM declined the former one because the proposal texts seemed to duplicate the mission of the section, while the latter was approved with no objection.

**9) Publications; Newsletter, Website, Journal and Handbook**

The Secretary General reported that newsletter No. 92 was going to be published in the end of April and No. 93 was being prepared. The PM discussed the planning strategy and direction relating to CIGR Handbook, its replacement, or online version. As the result of the PM discussions after this Presidium meeting all the issues of CIGR Handbook were uploaded to the CIGR Website and any members can utilize it effectively free of charge.

**2. CIGR business meetings schedules in 2011**

- 1) In 2011, CIGR business meetings of PM, EB, TB and SB (Section I, III and VII) will be held on 19 and 20 September on the occasion of CIGR International Symposium 2011 (WEF 2011) in Tokyo, Japan as shown in the table of room and time allocation. Kindly note only Technical Board (TB) meeting will be held on 20 unlike other CIGR business meetings, 19 September. All the members of the meetings are requested to attend, and the invitation letters and agenda will be sent to you by the end of August, 2011 from the Secretary General.
- 2) In 2012, all the CIGR business meetings including the General Assembly will be held in Valencia, Spain during the period of the 3rd CIGR International Conference in July.

**3. Important notice regarding CIGR co-sponsorship of events and using CIGR Logo**

All the CIGR members are strongly requested that they have to apply for event co-sponsorship to the General Secretariat regardless of whatever they are requesting a sponsored event or a supported event. Then, for example, if it is approved by the Presidium meeting as a supported event, the event should indicate our name "CIGR" and use correct CIGR Logo in the appropriate place of the event announcement.

*Prof. Toshinori Kimura*  
*Secretary General of CIGR*

**Schedule of CIGR Business Meetings in WEF 2011 Tokyo****19 September (Mon)**

Time	Meeting	Name of Room
9:00-12:00	Presidium meeting	Room Kenshushitsu
13:30-16:30	The 66th Executive Board meeting	Room Kenshushitsu
19:00-21:00	Section Board I meeting	No. 301
19:00-21:00	Section Board III meeting	No. 401
19:00-21:00	Section Board VII meeting	No. 403

**20 September (Tue)**

Time	Meeting	Name of Room
15:30-17:30	Technical Board meeting	No. 307

*Tower Hall Funabori, Funabori 4-1-1, Edogawa-ku, Tokyo, Japan*

**CIGR World Congresses and Internatinal Conferences, 2012–2016**

**CIGR-AgEng2012,  
International Conference of  
Agricultural Engineering  
8-12 July 2012, Valencia, Spain  
<http://cigr.ageng2012.org>**

CIGR and EurAgEng celebrate this joint International Conference on Agricultural Engineering in Valencia, Spain on July 8-12, 2012. In addition, a Special Parallel Conference on mechanisation and post-harvest technology in developing countries organized by UNIDO and FAO form a part of the Conference.

The Conference covers emerging research and new engineering solutions for food production and rural activities, as a means to enhance human well-being and promote social benefits. New concerns include methods of agricultural, livestock 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-AgEng2012 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 Special Parallel Conference (**SPC-08**) of mechanization in developing countries will re-examine; the role of agricultural mechanization in economic development on those countries, both for the agricultural and agro-industrial sectors; the policies and strategies necessary to foster mechanization; opportunities for developing local industries for production of machinery and implements; and strategies to develop the technological base for fostering value addition, reducing post-harvest losses and facilitating market access.

#### Main Topics:

**AP:** Animal Production Technology.  
**ED:** Education and Curricula.  
**EN:** Energy, biomass and biological residues.  
**ES:** Ergonomics, Safety and Health.  
**IT:** Information Technology, Automation and Precision Farming.  
**PF:** Post Harvest, Food and Process Engineering.  
**PM:** Power and Machinery.  
**RD:** Rural Development.  
**SE:** Structures and Environmental Technologies.  
**SW:** Soil and Water Engineering.

**CIGR-AgEng2012** is designed as a large umbrella for seven simultaneous thematic conferences with the goal of promoting the interaction between CIGR and EurAgEng Working Groups.

#### SPECIAL PARALLEL CONFERENCES, included in the CIGR-AgEng2012 Conference

**SPC-01 - EnviroWater'2012** – 15th Inter Regional ENVIRO Water: Soil Water and Environment Management (CIGR-Section I: Land and Water Engineering)  
*Chair Jose M<sup>a</sup>. Tarjuelo, Co-Chair: Guanhua Huang*

**SPC-02** – CFD Applications on Agriculture Building (CFD). (Working group of the International Society of Horticultural Science- ISHS)  
*Chair: Ricardo Suay. Co-Chair: In-Bok Lee and Thomas Banhazi*

**SPC-03** – IV International Workshop on Computer Image Analysis in Agriculture (CIGR Working Group on Image Analysis for Agricultural Products and Processes)

*Chair: José Blasco, Co-Chair: Victor Alchanatis and Manuela Zude*

**SPC-04** - 5th Automation Technology for Off-Road Equipment Conference  
*Chair: Francisco Rovira-Más, Co-Chair: Qin Zhang*

**SPC-05** - ILES IX - International Livestock Environment Symposium  
*Chairs: Richard Gates and Maria Cambra, Co-Chair: Tami Brown-Brandl and Daniela Jorge de Moura*

**SPC-06** -Applications of smart sensors and wireless sensor networks (WSN) in PLF (Precision Livestock Farming) and PA (Precision Agriculture)  
*Chairs: Pilar Barreiro Co-Chair: Esmaeil Nadimi*

**SPC-07** - Silos and Granular Materials (SIGMA ).  
*Chairs: Francisco Ayuga Co-Chair: Jørgen Nielsen*

**SPC-08** - Creating a competitive edge through agricultural mechanization and post-harvest technology in developing countries  
*Chairs: Chakib Jenane and Josef Kienzle. Co-Chair: Antonio Torregrosa*

#### Relevant Information and Contact

##### Deadlines

Submission of abstracts on-line via CIGR-AgEng2012 website: **4 October 2011**

Notification of acceptance: **15 December 2011**

Submission of full papers: **15 March 2012**

Final programme: **20 May 2012**

##### Web page, registration and call for papers

Further information on the conference, registration and call for papers can be found in the conference website: <http://cigr.ageng2012.org/>

##### CONTACT

*Florentino Juste*  
*Instituto Valenciano de Investigaciones Agrarias*  
*Email: [juste\\_flo@gva.es](mailto:juste_flo@gva.es)*  
*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: +86-10-64882358

Fax: +86-10-64883508

Email: cigrwc2014@yahoo.cn

## The 4th CIGR International Conference - AgEng Conference-2016 Robotics, Environment and Food Safety 26 -29 June 2016, Aarhus, Denmark

The Conference will be carried out at University of Aarhus 26-29 June 2016 as a joint event between CIGR (International Commission of Agricultural and Biosystems Engineering) and EurAgEng (European Society of Agricultural Engineering) and cosponsored by NJF (Nordic Association of Agricultural Scientists) and Aarhus University.

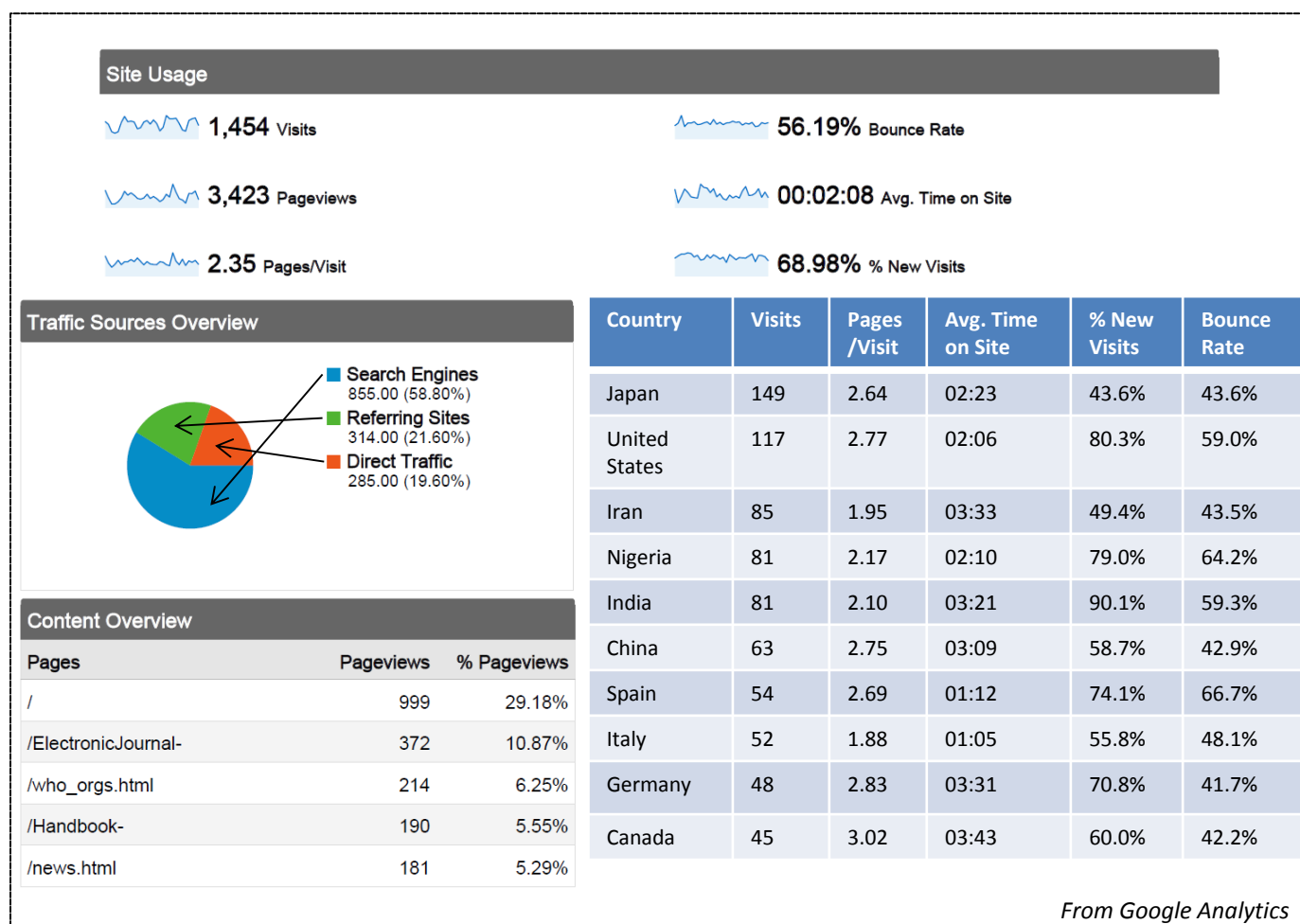
Planning and implementation of the congress will be carried out in close cooperation with "KongresKompagniet A/S", which is a conference organizer bureau in Aarhus.

Contact: Prof. Søren Pedersen

Email: soeren.pedersen@agrsci.dk

### CIGR Web site report for 1-30 June 2011

Access data pertaining to the CIGR web site for 1-30 June 2011 is given below.



## 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/>

The organizer is pleased to inform you the latest general schedule of CIGR International Symposium 2011,

Sustainable Bioproduction – Water, Energy and Food (WEF 2011), 19-23 September 2011, Tokyo, Japan as below.

For further information and detail program will be available on the website, <http://www.cigr2011.org>.

We are looking forward to seeing you in Tokyo soon.

Assoc. Prof. Dr. Yutaka Kitamura

WEF 2011 Secretariat Office

Email: [CIGR2011@agbi.tsukuba.ac.jp](mailto:CIGR2011@agbi.tsukuba.ac.jp)

19 (Mon) Sept.	20 (Tue) Sept.	21 (Wed) Sept.	22 (Thu) Sept.	23 (Fri) Sept.	
PRE-SYMPOSIUM EVENTS	SYMPOSIUM EXHIBITION	STUDY TOURS OPEN SESSIONS	SYMPOSIUM EXHIBITION	SYMPOSIUM EXHIBITION	
From 9:00 to 12:00 (Room:Kensyushitsu) -CIGR Presidium meeting  <i>Coffee Break</i> <i>Lunch</i> From 13:00 -Registration  From 13:30 to 16:30 (Room:Small Hall) -Public Lecture (Japanese)  From 13:30 to 16:30 (Room:Kensyushitsu) - CIGR 66th Executive Board meeting <i>Coffee Break</i> From 17:00 to 19:00 (Room: Zuiun ) -Welcome Reception  From 19:00 to 21:00 (Room: 301,401,403) - CIGR Section Board meetings	From 9:00 (Room:Great Hall) -Opening Ceremony •Opening Remarks •CIGR Opening Ceremony Comments •Message from Japanese Prime Minister •Congratulatory Address •Keynote Speech  <i>Coffee Break</i> <i>Lunch &amp; Seminar</i> From 13:00 -Invited Speech -Organized Sessions -Oral Sessions -Special Session <i>Coffee Break</i> From 15:30 to 17:00 (Room:Great Hall) -Open Extensive Session  From 15:30 to 17:30 (Room: 307) - CIGR Technical Board meeting  From 17:30 to 19:00 (Room: Horai) -Dinner Session	From 8:00 -Excursion A. Tsukuba Science City B. Tokyo Downtown C. Nikko & Lake Chūzenji  From 18:30 -Excursion D. Tokyo Bay Cruise	From 9:30 -Open Extensive Sessions (Japanese) •JAICABE •JSBI •NPOs -Academic Programs •JSAM •JSFWR  <i>Coffee Break</i> <i>Lunch &amp; Seminar</i> From 13:00 -Open Extensive Sessions (Japanese) •JAICABE •JORA •NPOs -Academic Programs •SCJ •JSAM •SASJ •JASI •JSFWR •Hokkaido Univ.	From 10:00 (Room:Great Hall) -Special Organized Sessions (Japanese)  From 9:00 -Oral Sessions <i>Coffee Break</i> <i>Lunch &amp; Seminar</i> From 13:00 -Organized Sessions -Oral & Poster Sessions -Special Session (Japanese) <i>Coffee Break</i> -Organized Sessions -Oral & Poster Sessions -Various Meetings  From 18:00 (Room: Zuiun & Heian) -Banquet	From 9:00 -EnviroWater -Organized Sessions -Oral Sessions <i>Coffee Break</i> <i>Lunch</i> From 11:30 (Room:Great Hall) -Closing Ceremony  Post Congress Tour  24 (Sat) -Osaka-fu Univ. -Kyoto City  25 (Sun) -Kansai Intl. Airport

## 3. NEWS FROM SECTIONS AND WORKING GROUPS

### CIGR Section III Announcement from the chair

The Technical Board of Section III (Equipment Engineering for Plant Production) will meet Monday September 19th during the CIGR International Symposium at the Tower Hall Funabori in Tokyo. Interested section members are invited to attend and participate in discussions about section activities.

There will also be an informal meeting of Section III members at some still-to-be-arranged time during the

Landtechnik/Agritechnica meetings in Hannover, Germany in November. Please contact the section chair (John K. Schueller at [schuejk@ufl.edu](mailto:schuejk@ufl.edu)) if you are interested in participating in that meeting with your availability dates and times in Hannover.

The invention of the once-over mechanical cucumber harvester fifty years ago was named and dedicated as a Historic Landmark by ASABE. Former



Prof. John K. Schueller

CIGR President Bill Stout was named as one of the three researchers who developed the heart of the machine.

*Prof. John K. Schueller  
Chair of CIGR Section III*

## Report Regarding The 33rd International Symposium of Section IV of CIGR

The 33rd International Symposium of Section IV of CIGR with the theme “Bioenergy and other Renewable Technologies and Systems”, BRETS 2011, was held in Bucharest, Romania, in the period June 23 -25 2011.

A Board Meeting of the Section IV of CIGR was took place on June 23, in the interval 10:00-12:00. In the Board Meeting participated Professor Janusz Piechocki, the President of the Section IV of CIGR, Professor Zoltan Sibalszky, Honorary Chairman of the Section IV of CIGR, Professor Cengiz Akdeniz, Vice - President of Section IV of CIGR, Professor Laurentiu Fara, President of the International Scientific Committee of BRETS 2011- Board member and other distinguished invited speakers of BRETS 2011 and Romanian representatives of the Polytechnic University of Bucharest. After the Board Meeting, the BIPV laboratory form Polytechnic University of Bucharest was visited.



Picture taken during the Plenary Session of BRETS 2011

The Opening Session started after the registration of the participants (14:00) and lasted one hour. Opening talks were held by Professor Janusz Piechocki, Professor Zoltan Sibalszky, Professor Gheorghe Marian, Vice-Rector of Polytechnic University of Bucharest, Professor Tudor Prisecaru, Dean of Faculty of Mechanics and Professor Laurentiu Fara.

The Plenary Session, moderated by Professor Laurentiu Fara, was developed between 16:00 and 18:00. The Invited speakers were: Professor Axel Munack –“Biofuels in Europe and Germany – Potentials and reality”, Professor Stephane Godbout – “Bioenergy production from agricultural biomasses: a Canadian perspective”, and

Professor Fernando Sebastian – “The Spanish case of biomass utilization for energy purposes”. A poster session was held afterwards.

In the second day, June 24, four oral parallel sessions, namely:

- Biomass for Energy ( 7 presented papers)
- Biotechnology systems ( 7 presented papers)
- Biofuels ( 10 presented papers)
- Other RES Technologies ( 7 presented paper)

took place between 09:00-11:30.

The participants were invited to visit special laboratories from Polytechnic University of Bucharest, namely: Biotechnologies, Boilers for Biomass, Alternative Fuels. The conference was accompanied by a very well-structured social program consisting in: Cocktail, Conference Dinner, visit of Historical Centre of Bucharest, and a representative post-conference study-tour in Transylvania organized in the third day, June 25 (visits to: the largest greenhouse heated with wood biomass in Romania, a 13-th century fortified church- Prejmer, one of the most well-preserved middle age settlements in Europe – Sighisoara Town, and to a 14-th century monastery- Cozia).

At this international Symposium participated over 50 persons from 9 different countries: Canada, France, Germany, Hungary, Poland, Romania Spain, Turkey and Ukraine. Per ensemble, the Conference could be considered a very successful event of CIGR.

*Professor Janusz Piechocki  
Chair of The Section IV of CIGR  
Professor Zoltan Sibalszky  
Honorary Chair of the Section IV of CIGR  
Professor Laurentiu Fara  
Chair of the Scientific Committee of BRETS 2011*

**CIGR Section IV  
Synergy in the Technical Development  
of Agriculture and Food Industry  
II. International Conference of the CIGR  
Hungarian National Committee, the Faculty of  
Mechanical Engineering of the Szent István  
University, and the Agricultural Engineering  
Board of the Hungarian Academy of Sciences  
Szent István University  
GÖDÖLLŐ, Hungary  
October 9-15, 2011.**

### Topics

Focusing on technical and technological development the conference discusses the synergy between the agriculture and industry, energetics, education, and research. The topics are focused on crop and horticultural production systems, post-harvest technologies, animal husbandry, measuring techniques, basic research for agricultural engineering, economics of agricultural production, forest engineering, renewable energy resources and raw materials, mechanical engineering, maintenance, and machinery management.

The conference deals with the up-to date questions of the solar, geothermal, wind, biomass energy, heat pumps, and hybrid power plants of regenerative energies. Besides of the above mentioned actual questions and research results of the environmental industry, logistics, precision farming, furthermore issues of computer aided engineering, production systems, project management also will be discussed.

#### **Important Information**

Deadline for abstract submission: **May 23, 2011.**

Final registration: **July 25, 2011.**

Deadline for full text submission: **September 9, 2011.**

Opening of the Conference: **October 9, 2011.**

Optional two day study trips: **October 14-15, 2011.**

The detailed conference programme and registration information are provided at:

<http://www.synergy.szie.hu>

#### **For more information**

Dr. Zoltán BÁRTFAI, Organizing Committee

e-mail: [synergy@gek.szie.hu](mailto:synergy@gek.szie.hu)

tel: +3628522047

## **CIGR Section VI Report on the 6th CIGR International Technical Symposium on Towards a Sustainable Food Chain: - 18-20 April 2011, Nantes, France**

Following the successful 1st International Symposium on Bioproducts Processing and Food Safety held in Beijing in October 2004, the 2nd International Symposium on Future of Food Engineering in Warsaw in April 2006, the 3rd one on Food and Agricultural Products: Processing and Innovations in Naples in September 2007, the 4th Symposium on Food and Bioprocess Technology in Foz do Iguacu, Brazil in the 31st August to 4th September 2008, and the 5th Symposium on Food Processing, Monitoring Technology in Bioprocesses and Food Quality Management in Potsdam, Germany in September 2009, the 6th CIGR Section VI International Technical Symposium on Towards a Sustainable Food Chain was held in Nantes, France on 18-20 April 2011.



Prof. Da-Wen Sun

This symposium was jointly organised by Oniris (National College of Veterinary Medicine, Food Science and Engineering in France) and CIGR Section VI, and was supported by the following major international organisations including IAEF - International Association of Engineering and Food, EFFoST - European Federation of Food Science and Technology, ASABE - American Society

of Agricultural and Biological Engineers, and EurAgEng - European Society of Agricultural Engineers, and also by local organisations such as GEPEA (Process Engineering for Environment and Food Laboratory), CNRS (National Centre for Scientific Research), INRA (French National Institute for Agricultural Research), and many others.

The theme of this conference is on Towards a Sustainable Food Chain. Today, all people involved in the food chain are facing critical questions on how to provide safe and healthy food for a global population that is expected to reach 9 billion by 2050, how to ensure that agricultural and food production systems are sustainable in the long-term, and how to best promote innovation along the entire food chain. Therefore the food industry is striving to develop innovative technologies that can bring major benefits for both the consumer and the environment, and to develop a wide variety of products with enhanced shelf-life, functionality and quality attributes. In particular, excellent progresses have been made in the development of novel processing methods, advanced monitoring technology, and effective and efficient quality management systems, leading to the insurance of product safety, enhancement of nutritional value, and minimisation of environmental impacts. In spite of these technological advances, many fundamental issues remain, and the research interests are high, as indicated by the large number of papers submitted to this conference.

In total, the conference has attracted 479 papers from 43 countries. After peer-review, 432 papers from 42 countries were accepted for presentations at the symposium (Figure 1) and 327 people from 44 countries actually attended the symposium (Figure 2). In the two and a half days, 121 oral presentations were given in 22 parallel sessions in the first two days, 7 oral presentations were also given in the special session in the last half day, with remaining papers were displayed as posters in the poster session during the entire symposium period. An award competition was also organised to honour the best poster presentations by young researchers, who are the main authors and are less than 35 year old, with one 1st Prize, two 2nd Prizes and four 3rd Prizes. The prizes consisted of two (for the 1st Prize) or one (for the other Prizes) new books from "Contemporary Food Engineering" book series donated by CRC Press and a Certificate. The award ceremony was held at the beginning of the conference dinner in a pleasant boat trip along the Erdre River with perfect weather condition in the evening of Tuesday 19 April.

During the Symposium, CIGR management meetings were also held. These meeting included CIGR Presidium Meeting on Monday 18 April, and CIGR Section VI Board Meeting on Tuesday 19 April.

The full papers presented at the conference were published in the conference proceedings in CD-ROM. As previous Symposiums, selected papers will be published in a special issue of Springer "Food and Bioprocess Technology – an

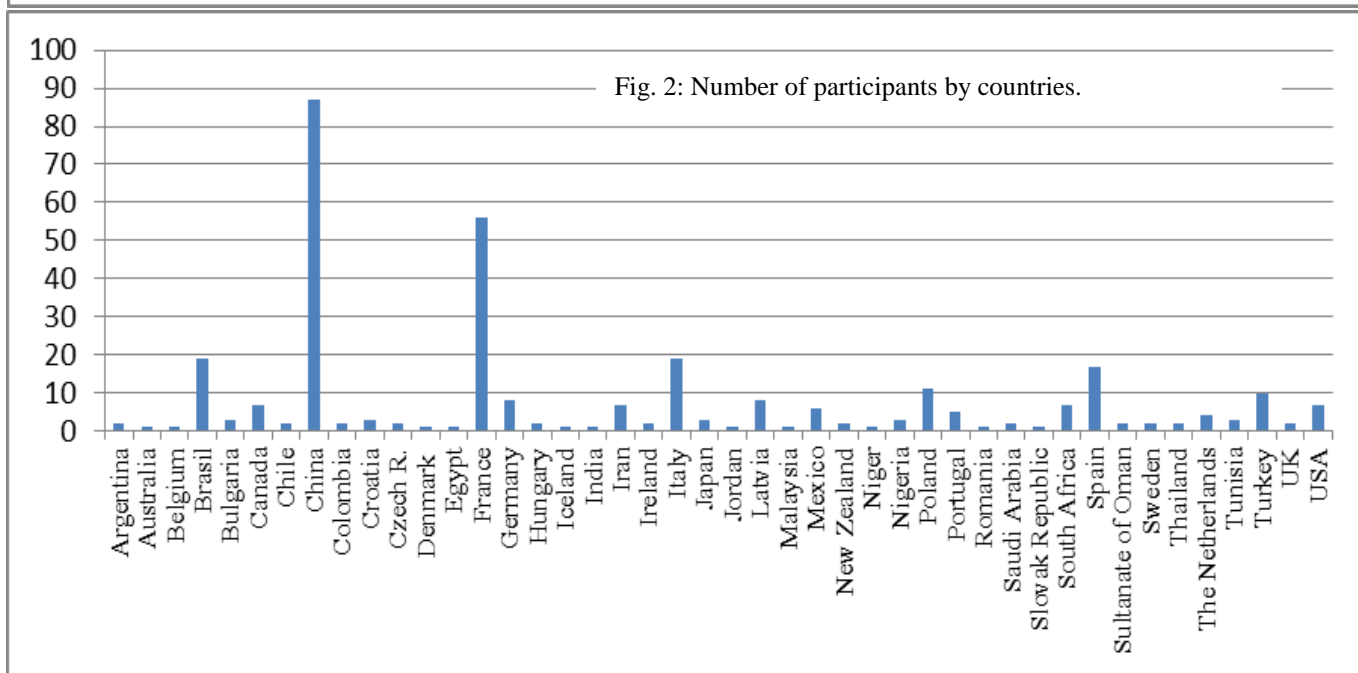
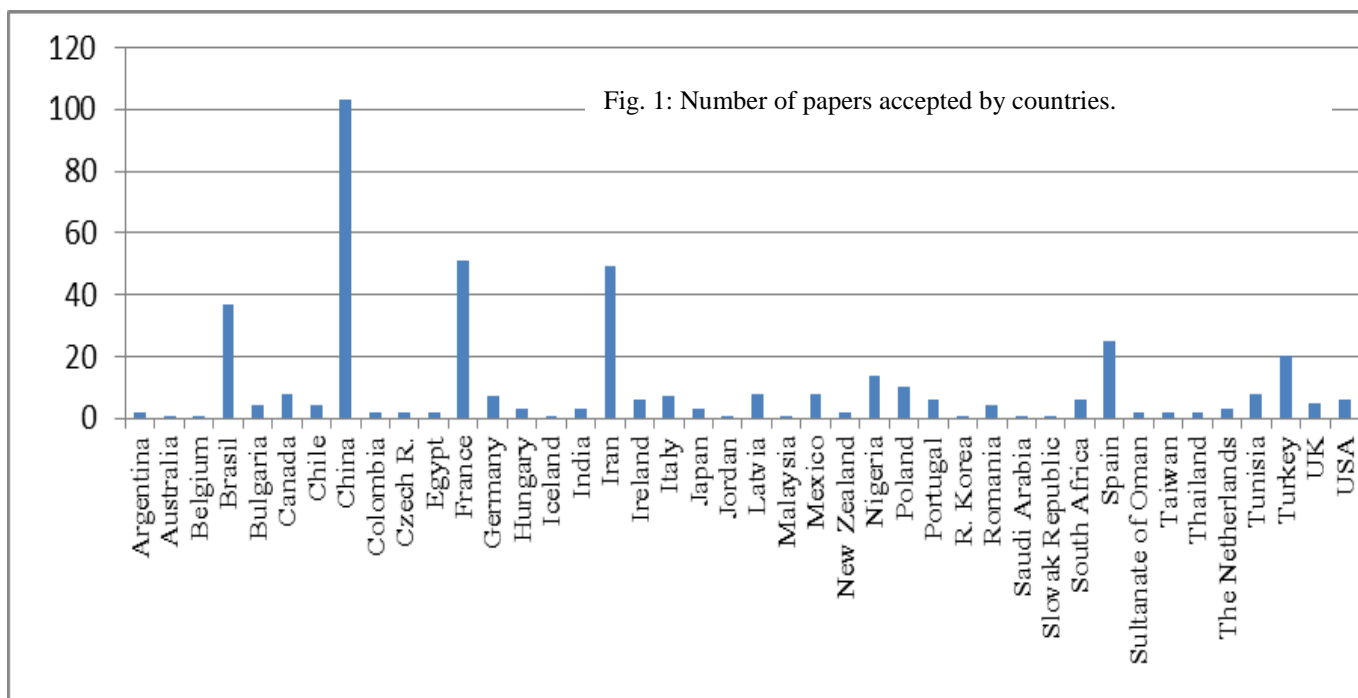


International Journal”. Currently the special issue is being prepared.

The 7th International Symposium of CIGR Section VI will be held in Stellenbosch University, South Africa, on 25-28 November, 2012. Further details of the 7th Symposium will

be published in CIGR newsletters when available.

*Professor Da-Wen Sun  
CIGR Working Group Coordinator  
Incoming President of CIGR*



### CIGR Food Safety Working Group Report on the Dijon Food Safety Workshop

The CIGR Food Safety Working Group organized in April 2011 the Workshop Food Safety Advances and Trends, in Dijon, France. The workshop was the first activity of the Working Group which was formally launched during the CIGR 2010 World Congress in June 2010 in Quebec,

Canada. The Workshop was carried out just before the CIGR Section VI Nantes Symposium and was jointly organized by The Food Safety Working Group together with Embrapa (Brazilian Corporation for Agriculture Research) and the Agrosup Dijon, where the event took place. The event counted with 87 contributions focusing on different aspects related to food safety along production chains, from raw material to foodstuffs and from production processes to food analyses. It included 19 conferences divided in four sections on Risks and traceability; Chemical, microbiological and genetic risks; Food Preservation processes; Food Safety Analyses. The

Program included also oral sessions which totalized 11 talks on the same themes of the conference sections, besides 57 posters grouped in the following categories: Food Microbiology, Risks, Traceability and Food safety, Food and Contaminants Analysis, and Preservation Processes and Food Technology. Besides the technical sections, a discussion took place on the perspectives and activities for the Working Group, which may include annual workshops, building up a webpage, the publication of the Workshop papers in a special issue of the Food and Bioprocess Technology Journal; elaboration of a position

reference paper on the safety legislation on new technologies worldwide. The next workshop is programmed to be held in Valencia in July 2012, together with the 3rd CIGR International Conference of Agricultural Engineering 2012, followed by the 3rd Workshop to be organized in Guelph, Canada, in 2013.

*Dr. Amauri Rosenthal  
Vice Chair of Food Safety Working Group*

## 4. OTHER ACTIVITIES

### The XXIVth PIARC World Road Congress Mexico City, Mexico 26-30 September 2011.

Some sessions deal with (minor) rural roads. The report of Technical Committee A.4 "Rural Road Systems and Accessibility to Rural Areas" will be presented. Further, a special session "Sustainable maintenance in rural roads" is announced.

Further information: <http://www.piacr.org>

*Dr. Gerrit J. Carsjens  
Secretary of CIGR Section I*

### Participation Report of the 37th Session of the FAO Conference: 25 June - 2 July 2011

During the 7 days of Conference, many different arguments were presented and discussed. Connected to the CIGR mission statement, the main interesting topics (taken from the official documents released), are the following:

**Vital role of women in agriculture and rural development:** eliminating the gap between men and women in access to agricultural resources and inputs would raise yields on women's farms by 20-30 percent and increase agricultural production in developing countries by 2.5-4 percent, which could in turn reduce the number of undernourished people in the world by 12-17 percent or 100-150 million people. The documents approved also reviewed policy recommendations and proven strategies for closing the gender gap in agriculture and rural development.

**Implementation Plan of the Global Strategy to Improve Agricultural Statistics:** FAO, in partnership with other international, regional and national institutions to develop the Implementation Plan of the Global Strategy (by UNSC) and mobilize the required resources for its execution with the involvement of all key stakeholders at national, regional and international level. The Global Plan and the Regional Plan for Africa are being finalized while the preparation of the plan for Asia, the Pacific and Latin America has been started. The outline of the Global Plan and Africa Plan were presented and discussed by more than 300 senior experts from over 70 countries during the Fifth

International Conference on Agricultural Statistics held in Kampala, Uganda, in October 2010.

**International Year of Forests 2011:** FAO encourage countries to engage actively in the celebration of the International Year of Forests 2011 and enhance cooperation to this end. The Council recognizes the importance of adequate resources in successful public awareness activities and encourage countries and FAO to seek synergies and innovative approaches in this regard. It also underlined the important role of an International Day of Forests in promoting sustainable forest management and support its establishment, and recommend that FAO serve as an information hub for events related to the celebration of that day.

**Budget approval:** FAO's governing Conference has unanimously approved a regular programme budget of \$1,005.6 million for the Organization for the 2012-13 biennium, equivalent to a 1.4 percent increase over the current biennium. The budget provides for full implementation of the proposed programme of work as well as the Immediate Plan of Action for FAO renewal. Recognizing the need for FAO's programmes to be financially protected, Members called on the Director-General to make efficiency gains and one time-savings of \$34.5 million beyond the economies that he had already programmed. In addition, FAO expects some \$1.4 billion of voluntary contributions from members and partners over the next biennium.

**The State of Food and Agriculture:** it was examined the price developments on international and domestic markets on the basis of information available as recently as June 2011, and drew attention to the implications of high food prices and price volatility and weak economic growth for global hunger and undernourishment. Document produced by Council describes production, consumption and trade of food and agricultural commodities at both the global and regional levels and discusses measures needed to improve the resilience of markets to price and economic fluctuations. More recent commodity market and price information is available in the latest editions of Food Outlook, the Global Food Price Monitor, the Crop Prospects and Food Situation, the World Food Situation and other FAO information products. The FAO global Food Price Index is currently above levels experienced during the food price crisis of 2007-08. Therefore, it is recommended that future policy responses help mitigate and manage the risks associated with price volatility by fostering the resilience of the global

food system and protecting the most vulnerable from shocks.

**Status of Implementation of the Global Plan of Action for Animal Genetic Resources:** the document provides an overview of activities undertaken by FAO, in collaboration with partners, under the guidance of the Commission on Genetic Resources for Food and Agriculture, in support of the implementation of the Global Plan of Action for Animal Genetic Resources since 2009. The Conference suggested actions to encourage FAO to collaborate with other organizations and institutions in the implementation of policies aiming at the conservation and sustainable use of biodiversity for food and agriculture, including animal genetic resources, and, more specifically, to investigate possible institutional arrangements for IPBES, including possible legal, financial and administrative implications for FAO.

**World eradication of rinderpest** was official celebrated with a plenary session. Rinderpest, or cattle plague, is about to make history as the first animal disease to be eliminated thanks to human efforts, and only the second disease of any kind, after smallpox in humans. The successful fight against rinderpest underscores what can be achieved when communities, countries and institutions work together. After decades of efforts to stamp out a disease that kept crossing national borders, countries and institutions agreed they needed to coordinate their efforts under a single, cohesive programme. The rinderpest eradication programme is part of FAO's larger Emergency Prevention System for Transboundary Animal and Plant Pests and Diseases (EMPRES).

**Election as Director-General of the UN Food and Agriculture Organization (FAO)** of José Graziano da Silva of Brazil. Graziano da Silva, who is 61, received a total of 92 votes out of 180 votes cast, winning over former Spanish Foreign Minister Miguel Ángel Moratinos Cuyaubé, who received 88 votes. As Brazil's Extraordinary Minister of Food Security and Fight Against Hunger he was responsible for implementing the country's highly-successful "Zero Hunger" ("Fome Zero")

programme, in whose design he also played a leading role. The programme helped lift 24 million people out of extreme poverty in five years and to reduce undernourishment in Brazil by 25 percent.

**FAO Preparations for RIO+20: Greening The Economy With Agriculture (GEA)** - side event at the 37th Session Conference: FAO members were informed about preparations for the United Nations Conference on Sustainable Development (UNCSD), to be held in Rio de Janeiro, Brazil, from 4 to 6 June 2012 (Rio+20). The two main themes of the Conference agreed upon by the General Assembly are: 1) a in the context of sustainable development and poverty eradication, and 2) the institutional framework for sustainable development. FAO is engaged in the preparations for the UNCSD in order to address the complex concept of sustainability, including the inter-linked environmental, social and economics dimensions. More specifically, FAO is committed to explore how the green economy concept translates in the food and agriculture sector. Considering the importance of agriculture, forestry and fisheries in alleviating poverty and the great impact (positive or negative) of its management on natural resources, these sectors are essential parts of any green economy strategy. A green economy needs a dual effort in increasing food and agriculture productivity, while improving both ecological and economic efficiency in the use of resources throughout the food chain: from the resources used and recycled during production, through waste minimization during post-harvest handling, processing, retailing and consumption, to fair trading.

All the relative documents are available at <http://www.fao.org/bodies/conf/c2011/en/>

*Prof. Paolo Menesatti  
CIGR Section VI board member*

## 6. PUBLICATIONS

**Agricultural Engineering International The  
CIGR Ejournal  
Dr. Wang Yingkuan, Editor-in-Chief  
ISSN 1682-1130**

**Submit manuscripts for peer review to  
[www.CIGRjournal.org](http://www.CIGRjournal.org)**

Since the implementation of Open Journal System(OJS) by the CIGR Journal, the numbers of manuscript submissions and registered users continue to increase. The table below shows the statistics for the CIGR Journal from January to March 2011 after using OJS.



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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 January to March of the year 2011, 37 manuscripts have been submitted, which is a little more in number than 32 from October to December 2010. 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 (51%, lower than 68% in the last season) 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, improficiency of online review using OJS, and some other personal reasons. Many authors complain about

the long delay. Measures should soon be taken to speed up the review process.

Up to June 24, 2011, the total number of registered users in CIGR Journal through OJS reached 7388 with 3720 new users, registered readers 6877 with 3674 new, however, among which 1047 with 69 new were registered as reviewers in the journal database. Compared with the number of registered users at the end of 2010 and the end of March 2011, there was a significant increase in the past six and three months. 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, in order to increase the number of reviewers, authors will be encouraged to recommend 3-5 qualified peer experts as the potential reviewers of their manuscripts when they submit to CIGR Journal.

Moreover, there are in all 215 manuscripts submitted to CIGR Journal, with 6 papers accepted, and the rest still are in process—under review of revision. Thank you.

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

#### 2011 Statistics for the CIGR Journal (January – March)

Issues (Vol.13, No.1, 2011)	Published 1 ( No. 1)
Items (Research papers)	Published 15 in No.1
Total new submissions	37
Peer reviewed	18
Delayed at section editor's hand	19 (51%),
In review with some review comments	9 (24%)
In review without review comments	4 (11%)
Accepted	3 (8%)
Declined	8 (21%)
Resubmitted	4, 0
Days from submission to complete review	Over 80
Days to from submission to publication	Over 150

### CIGR Section Boards (for 2011 )

<b>Section I:</b>	<i>Land and Water</i>	(Chair: Guanhua Huang [China])
<b>Section II:</b>	<i>Structures and Environment</i>	(Chair: Thomas Banhazi [Australia])
<b>Section III:</b>	<i>Plant Production</i>	(Chair: John K. Schueller [USA])
<b>Section IV:</b>	<i>Energy in Agriculture</i>	(Chair: Janusz Piechocki [Poland])
<b>Section V:</b>	<i>System Management</i>	(Chair: Claus Gron Soerensen [Denmark])
<b>Section VI:</b>	<i>Bioprocesses</i>	(Chair: Linus Opara [South Africa])
<b>Section VII:</b>	<i>Information Technology</i>	(Chair: Seishi Ninomiya [Japan])

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