



International Commission of Agricultural and Biosystems Engineering

CIGR

Newsletter Quarterly

**Newsletter No. 83
December 2008**

*Since 1930
78 Years of CIGR*

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Commission Internationale du Génie Rural (CIGR)

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

1. CIGR NEWS

President Activity

Report on the 10th International Congress on Mechanization and Energy in Agriculture 14-17 October, 2008, Antalya, Turkey

President Nääs was invited to the 10th International Congress on Mechanization and Energy in Agriculture, held in Antalya, Turkey on 14-17 October 2008. The President introduced the CIGR to the participants and presented a lecture on sustainable energy. There were more than 200 delegates from 30 countries, mainly from Eurasia.



Prof. Irenilza Nääs

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The 10th International Congress on Mechanization and Energy in Agriculture was organized by the Department of Farm Machinery, Faculty of Agriculture, Akdeniz University, with co-sponsorship by CIGR, on 14-17 October 2008 in Antalya, Turkey.

This Congress aimed mainly to introduce all on-going or concluded scientific researches concerning the development, use and distribution of agricultural technologies that enhance sustainability and energy efficiency in harmony with the environment as well as to create an international synergy on the following topics of the Congress. The topics covered during the congress were;

- Power and machinery,
- Farm buildings,
- Energy and environment in agriculture,
- Information technologies,
- Decision and support systems in agriculture,
- Management and ergonomics,
- Post harvest technologies.

223 participants from Albania, Algeria, Argentina, Azerbaijan, Belgium, Brazil, Bulgaria, Canada, China, Czech Republic,

Greece, Hungary, Egypt, Finland, Germany, Indonesia, Iran, Ireland, Italy, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Macedonia, Malaysia, Nigeria, Pakistan, Poland, Romania, Spain, Sudan, Sultanate of Oman, Sweden, Tajikistan, Thailand, Tunisia, Turkey, Uganda, the UK and the USA participated at the Congress.

The President of the CIGR Prof. Dr. Irenilza A. Nääs (Brazil), Prof. Dr. K.C. Ting (USA), Prof. Dr. Da-Wen Sun (Ireland) and Prof. Dr. Rainer Horn (Germany) were Keynote Speakers. The oral sessions were held in two different meeting rooms, and 66 oral and about 180 posters were presented during the congress.

Alongside the congress, there were also extra programs accompanying people on sightseeing visits to Antalya, the Duden waterfalls, the city museum, the shopping center and also on short tours of the Akdeniz University campus and a one day extra tour for all participants to the historical places around Antalya, such as the Perge, Aspendos, Side and Manavgat waterfalls.

*Assoc. Prof. Dr. Can Ertekin
Congress General Secretary*



At Congress Hall at Antalya, Turkey

Farewell letter from Past President

At the end of six years in the CIGR Presidium, it is time to write a farewell letter to CIGR members. It has been a very rich experience but a somewhat heavy task. Despite giving the my best, it is my belief that I could have given more.

The first two years were a nice experience working with Axel Munack and El Houssine Bartali, mainly supporting their initiatives and preparing to give continuity to changes being implemented. I recall the 1st International Conference of CIGR, held in Beijing, China, in 2004. It was excellent! Working then with the local organizers led to making friends and working with the Sections was a friendly task. We then initiated a policy for improving the work of the Technical Sections, which are the main bodies of CIGR. We tried to

implement effective relations between the Sections' Boards with the CIGR Ejournal, and particularly to give full autonomy to the journal and its coordinator, Bill Stout. By that time, a change of the General Secretary has been prepared and relations with national societies were given priority.

These approaches were continued when I assumed the Presidency. It was a priority to ensure a smooth transition of the General Secretariat from Bonn, Germany, to Tsukuba, Japan. It has not been very easy, but the persons involved, Peter Schulze-Lammers and Takaaki Maekawa, did their best to ensure this transition. I keep a very good memories of working with both. With the objective of reinforcing ties

between CIGR and the member societies, we initiated meetings of the Executive and Technical Boards at the occasion of the meetings of the regional or national societies. The first one was held in St. Petersburg, Russia, in 2005, on the occasion of a biannual meeting of the Euro-Asian Society of Agricultural Engineering.

Various actions were launched. One was the updating of the Statutes aiming at better representing the way how CIGR functions at present. This activity came to an end this year when the new Statutes were approved by the General Assembly at the occasion of the 2nd International Conference of CIGR, held in Foz de Iguassu, Brazil. Another was the support for the creation of new working groups oriented to areas not well covered by the Technical Sections. Some new working groups were initiated at the occasion of the CIGR World Congress, held in Bonn, Germany, in September 2006. This was a splendid Congress that hopefully contributed to strengthening CIGR and its working bodies. Another main activity initiated then and now already



Prof. Luis S. Pereira

implemented is the upgrading of the CIGR website. This is now at a stage where support for communications by the member societies and working bodies is available and we are hoping that these facilities will be increasingly used.

The last couple of years have been more difficult because I had to assume more commitments at the University and time for the Presidium was lacking. However, working with Irenilza Nääs and Sören Pedersen has been good. Now, when leaving, another colleague comes into the Presidium, Fedro Zazueta, with whom I have collaborated for some years and who has been the main driving force behind the web changes for CIGR and the Ejournal. I am therefore leaving the Presidium with excellent successors and the feeling that our society is moving up and may attract more people. Mainly, at this time, my thoughts go to the many members that give their work to the various bodies of CIGR and with whom I feel honored to have served. See you all in Quebec, Canada, 2010!

*Prof. Luis Santos Pereira
Past President of CIGR*

Minutes of the 63rd Executive Board Meeting Auditorio Cedro Room, Bourbon Cataratas Resort & Convention Center, Iguassu Falls City, Brazil Saturday, 30 August, 2008, 6-8.30pm

It was decided that the minutes of CIGR Executive Board meeting would be issued in the CIGR Newsletter for consistency with the CIGR activities at the General Assembly of the CIGR International Conference 2008 in Brazil.

Members in attendance: President Irenilza de Alencar Nääs, Past President Luis S. Pereira, Incoming President Søren Pedersen and Secretary General Takaaki Maekawa. Prof. Jiannong Xin, Prof. Florentino Juste (replacement of Prof. Daniele De Wrachien), Prof. Omar Ulloa, Prof. Marcos Folegatti, Dr. Yohei Sato, Prof. Shujun Li, Prof. Da-Wen Sun, Prof. Axel Munack (replacement of Prof. Schulze Lammers), Prof. Bill Stout, Mr. Yoshisuke Kishida; Excused: Prof. Vilas M. Salokhe, Prof. Oleg Marchenko, Prof. Nicolay Mihailov, Dr. Stephane Godbout (replacement of Prof. Lal Kushwaha), Prof. El Houssine Bartali; Guest: Prof. Fedro Zazueta

1. Welcome Speech

The CIGR President welcomed the members and guests and thanked them for attending the meeting. The President informed the audience about finalizing Presidium Meeting and the finalizing of the ad hoc Committee for the revision of the CIGR statutes held before this meeting.

2. Adoption of the Agenda

The agenda was adopted.

3. Approval of minutes of the 62nd Executive Board meeting and Technical Meeting

The minutes of the 62nd Executive Board meeting and Technical Board meeting were approved without corrections.

4. Activity Reports from the Presidium Members:

a) The President

The President informed the candidate of CIGR's next Incoming President Prof. Fedro Zazueta, through the election of voting by the CIGR delegates.

The president briefly reported on her activities including her attendance at the International Meeting and presented the CIGR action plan. She also reported on the preparations for this 2nd international Conference in Brazil, including that the



Dr. Takaaki Maekawa

reason for changing the venue from Rio de Janeiro was related to safety concerns. She also reported on the decision-making criteria of the CIGR scientific committee on accepting papers in the local committee at the 2nd International Conference. This was an unfortunate miscommunication and in fact papers were reviewed.

President Nääs talked to CIGR members about joining the Korean

Society of Agricultural Engineers.

Finally, President Nääs presented the results of the CIGR Awards by the President's Citation.

b) General Secretariat

The Secretary General reported on the results of the election for a new SG candidate, Prof. Toshinori Kimura by the votes of CIGR delegates. His tenure will be from 1 January, 2010 to 31 December, 2013. The General Secretariat will be established at the University of Hokkaido, Sapporo. The SG reported that the estimated cost for improving the website was USD 4,292. The members agreed on the issue of cost as well as payment.

Eight NLs were issued (No. 74 to 81) after the opening of the General Secretariat Office in Tsukuba. Seven hundred NLs were printed and distributed to the CIGR members, including the Presidium, Executive Board and Technical Board members. The cost reduction of publication of the NLs also was shown. It was decided at the Presidium meeting in Glasgow, 2007 that the income generated from the advertisements in the NLs would be used for expenditure of the CIGR General Secretariat office.

Some of the renewable members on the seven Section Boards and names of chairpersons in terms of 2008-2009 were described by the SG. The SG stated that a new chairperson for the Section Board III is needed, and Prof. John K. Schueller agreed to take over this position. Also Section Board VII will need a new chairman to be appointed.

The accession of the Chamber of Cyprus Turkish Agricultural Engineers as a member was discussed, and the CIGR Presidium decided that the Chamber of Cyprus Turkish Agricultural Engineers would be a corporate member if they agreed with this CIGR decision.

The SG introduced as new CIGR members the Korean Society of Agricultural Engineering (as the alternative member for the Korean Society of Agricultural Machinery, in the same manner as for China).

The SG explained the CIGR Budget, Accounting and Financial state. The net positive in 2007 was higher than that of 2006. The balance sheet of 2007 was approved by the auditors (2006-2009) on 20 August 2008.

c) The Past President

Past President Luis Santos Pereira explained that the revision of the CIGR Award System and related rules and the enforcement of the contributions for Awards by the section chairpersons.

The list of award recipients for the CIGR Awards of the 2nd International Conference 2008 was presented by the Past President.

The revision of the CIGR Awards System and related rules including how to recognize the age of first author for the Armand Blanc prize has been suspended, and will be sent to the next Presidium Meeting.

d) Incoming President

Using the projector, Incoming President Søren Pedersen presented the results of the discussion of the ad hoc Committee of the revision of CIGR statutes held in the morning. The revised draft was modified under the English name of CIGR, as the International Commission of Agricultural and Biosystems Engineering including some sentences in the statutes. Members of the Presidium agreed with the new revised statutes. It was decided that the new revised version took a proofreading of English by Prof. Stout. The Incoming President delivered some comments on the relationship between the seven CIGR Section Boards and Working Groups, he stressed that the Working Groups must have good relations with the Sections Boards working in the same field.

5. CIGR Bodies

a) Auditors

The Auditor, Mr. Kishida, as a representative of the three CIGR Auditors, informed the audience that the auditors of 2006–2007 had approved the balance and the budget.

b) National and Regional Member Societies

The SG spoke about the revised list of the National and Regional Member Societies. Regarding the Chamber of

Cyprus Turkish of Agricultural Engineers, they will be one of CIGR Corporate members.

The SG indicated that National and Regional Member societies including Corporate Members are linked with the CIGR website.

c) Sections

The SG informed the audience that the reports of the Section Boards I, II, V, VI and VII had already been published in the CIGR NL 76. The Report of Section Board IV was issued on CIGR NL 78 and had a minor change to the members including a change to their section name. Section Board V offered a minor change of members.

d) Working Groups

Dr. Da-Wen Sun, as a coordinator of the WGs, proposed the establishment of a new working Group on Image Analysis for Advanced Grading and Monitoring in Agricultural Process (the Chairperson will be Dr. Manuela Zude). It was agreed and decided to submit to GA.

Prof. Ken Ohno of Mie University replaced Prof. Hirota of Iwate University as the candidate for chairperson of Rural Landscape Protection and Valorisation Working Group. This was to be proposed to the GA in this Conference.

e) Executive Board

The revised CIGR Award System was discussed.

It was proposed that a committee was formed for presenting clear norms for Award indication led by President Nääs. There was discussion on the taskforces aimed at improving the participation of the EB members in the CIGR activities.

f) Technical Board

The main subjects of the TB will be expressed in the report of the sections by the chairpersons, and there will be a change of Section name and Section short names.

g) General Assembly

The SG described the following subjects to propose to the GA. All subjects were approved by the Presidium members.

-Elections

- 1) Next Incoming president
- 2) Next incoming Secretary General and General Secretariat

- Approvals

- 1) Revision of CIGR Statutes
- 2) Two new chairpersons for the WG of Rural Landscape Protection and Valorisation and for the WG of Image Analyses for Advanced Grading and Monitoring in Agricultural Processes by Dr. Manuela Zude. (Afterwards, one of WGs changed the name in 'Image Analyses for Agricultural Process and Products' and the chairman was changed to Prof. Enrique Molto.)
- 3) CIGR Award System
- 4) CIGR 2006-2007 expenditure budgets (Reported by Auditor)
- 5) CIGR 2008-2009 planned budgets (Reported by SG)
- 6) CIGR International Conference 2012, Spain collaborating with EurAgEng
- 7) CIGR International Symposium 2011, Tokyo, Japan
- 8) Lay membership fees before 2006 on the table
- 9) New members of Ghana (2007 in Glasgow) and the Korean Society of Agricultural Engineers.
- 10) The criteria for sponsored and co-sponsored activities of CIGR (related to levies for CIGR)
- 11) Conference levies in Brazil are 20USD/participant.

h) Ad hoc committee for upgrading CIGR website

Prof. Fedro Zazueta spoke about the upgraded to the CIGR website including how to approach the CIGR's new Open Journal System.

6. CIGR Information and Communication System

a) Ejournal

Honorary President Bill Stout reported on the activities related to the Ejournal and the proposal for a Thomson Scientific database (ISI).

He has planned a session on the CIGR Ejournal for the evening of 1 September in the Sala Araucaria room.

b) CIGR Handbook

The SG presented the CIGR Handbook selling balance during the present year.

The President stated that there had been a gap of around 10 years since the last volume (Vol. 5) had been published and the Handbook needed to be revised. The decision was deferred and final decision was to be made at the next PM.

c) Newsletter

The SG spoke about the publication of NLs in French, which will be translated by a Canadian in Quebec.

The SG proposed the translation fee for French and Arabic would be set to 100 USD/NL (annual payment will be 800USD in total). Other translators can be done on a voluntary basis. These proposals are pending for the next Presidium Meeting.

d) Website

It was decided that a short report of the EB meeting should be uploaded on the CIGR website to maintain the transparency of CIGR activities.

The management of the CIGR Ejournal website including OJS will be temporally made by Prof. Fedro Zazueta in respect to the solution of technical problems. After that, it will be transferred to the Ejournal coordinator, Prof. Bill Stout.

e) Representatives of CIGR for ISO, OECD and FAO

As CIGR was a liaison member of ISO, the selection of the representatives from CIGR was to be controlled by the Presidium and GS in reference to members of Section Boards.

Also, the selection of the other international organization representatives such as OECD will be decided by the Presidium and GS in reference to members of Section Boards.

7. Congresses and Conferences

a) CIGR International Conference 2008, Iguassu Falls City, Brazil, 31 August–4 September

President Irenilza Nääs presented the following outline of the CIGR 2nd CIGR International Conference:

Approximately 900 delegates from 40 countries will present nearly 1000 papers both orally and in poster presentations covering areas related to Agricultural and Biological Engineering.

b) The XVII CIGR World Congress 2010, Québec, Canada, 13–17 June 2010

Dr. Stephane Godbout will explain the details in the TB and GA meeting and distributed their brochure at the registration hall.

c) The XVIII CIGR World Congress 2014, Beijing, China

Prof. Shujun Li will explain the details in the GA meeting.

d) Candidates for the 3rd CIGR International Conference 2012, Valencia, Spain, 8–12 July 2012

The proposal of International Conference 2012 by the Spanish Society of Agricultural Engineering in collaboration

with EurAgEng was explained in the EB meeting by Prof. Florentino Juste, the chairman of the AgEng 2012 and President of EurAgEng.

e) Other Conferences sponsored by the CIGR

The CIGR International Symposium, 19-23 September, 2011 to be held in Tokyo was proposed.

The 4th International Conference in 2016 was proposed to be held in Denmark.

8. Membership

The decision, regarding the Nation of Georgia's, organization of academic people in Agricultural and Biosystems Engineering was deferred to the next Presidium.

The application for the Chamber of Cyprus Turkish Agricultural Engineers was approved as a corporate member.

The Korean Society of Agricultural Engineers was approved as an alternative member in the same manner as for China.

The Ghana Society of Agricultural Engineering was approved as a national member of the CIGR and will be approved by the GA of the Conference in Brazil.

9. Revision of CIGR Statutes

Incoming president Søren Pedersen as the Chairperson of the ad hoc Committee for the Revision of CIGR statutes was to be showed the final statutes by the projection of PC on the EB and GA of the Conference in Brazil.

10. Miscellaneous

The SG spoke of the need of management of the CIGR logos because there are nine kinds of logo and they were used for the CIGR Congresses, Conferences and Symposiums. The SG stressed that at least 2-3 kinds of logo were to be managed.

The SG proposed the 3rd International Conference and Exhibition of the Renewable Energy 2010, 28 June - 2 July, in Yokohama, Japan for CIGR to be co-sponsored.

11. Dates and Locations of next Presidium, GA, EB, TB Meetings and Section Boards Meeting

The SG proposed the following meetings as potential CIGR Meetings:

1) Presidium Meeting (candidate)

- (1) Presidium is to be held on Frutic Chile 2009, the 8th International Symposium, 5 - 9 January, 2009
- (2) Presidium will be held in the Club of Bologna to be carried out in Bologna on 13 to 16 November, 2008 in Italy

(It was fixed that next PM would be held on Frutic Chile 2009.)

2) Presidium, EB, TB and SB meetings are to be held on the following dates (candidate)

- (1) 17-19 June, 2009 in Reggio Calabria, Italy, XXXIII CIOSTA CIGR V Symposium
- (2) 30 August - 2 September, 2009 in Godollo, Hungary, 31st CIGR IV International Symposium
- (3) 31 August - 2 September 2009 in Potsdam, Germany, 5th CIGR VI International Symposium

(It was decided that the PM, EB, TB and SB meetings would be held on the 5th CIGR VI International Symposium in Potsdam, Germany, at the General Assembly of the CIGR International Conference 2008 in Brazil.)

Prof. Irenilza de Alencar Nääs

President of CIGR

Prof. Emeritus Takaaki Maekawa

Secretary General of CIGR

CIGR World Congresses and Conferences, 2010–2014

The XVII CIGR World Congress 2010 Québec, Canada, 13–17 June 2010 <http://www.bioeng.ca/cigr2010/>

The International Commission of Agricultural Engineering (cigr.org) will hold its XVII World Congress in Québec City, Canada, 13–17 June 2010, hosted by The Canadian Society for Bioengineering—La Société Canadienne de génie Agroalimentaire et de Bioingénierie (CSBE/SCGAB) (bioeng.ca).

This year's theme is 'Sustainable Biosystems through Engineering'. The local organizing committee is planning several exciting events that will make your stay in Quebec City a truly memorable one.

The American Society of Agricultural and Biological Engineers has agreed to hold its 9th International Drainage Symposium in Quebec City, Canada, 13–16 June 2010, in conjunction with CIGR 2010. The XVII World Congress of CIGR will be held jointly with the 52nd Annual Conference of the Canadian Society for Bioengineering (CSBE/SCGAB). These joint activities are sponsored by CSBE/SCGAB.

Quebec is one of the oldest cities in North America, celebrating its 400th anniversary in 2008. Eastern Canada offers excellent opportunities for technical, historical and natural science exploration.

Plan to share your most recent discoveries in the areas of agricultural, food and biosystems engineering with colleagues from around the world. Mark the dates (13–17 June 2010) so you can participate in the progress and development of trends in your area of work.

General program (preliminary)

Sunday, 13 June

- Board and technical section meetings
- Registration
- Evening welcome reception

Monday, 14 June

- Congress Opening Ceremony
- Technical oral and poster sessions
- Evening social activity – Cruise on St. Lawrence River

Tuesday, 15 June

- Technical oral and poster sessions
- Annual business meeting of CSBE/SCGAB
- Joint CIGR and CSBE/SCGAB Awards Banquet

Wednesday, 16 June

- Technical oral and poster sessions
- Closing ceremonies
- Visit of local bioengineering activities

Thursday and Friday, 17 and 18 June

- Optional technical visits:
 - (1) Food and process engineering activities
 - (2) Engineering for crop and animal production (3)
- James Bay hydroelectric dam

The complete program will be available in Spring 2010

Important dates:

Spring 2009: Call for paper

30 October 2009: Abstract submission

February 2010: full papers

For information contact: Dr. Philippe Savoie
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The 3rd CIGR International Conference 2012, Valencia, Spain, 8–12 July 2012

The 3rd CIGR International Conference 2012 will be held in Valencia, Spain on 8-12 July 2012 in collaboration with the European Agricultural Engineering Society (EurAgEng) as the joint Conference CIGR-EurAgEng on Agricultural Engineering. The Spanish Society of Agricultural Engineering will be the host Society. The Conference will take place at the Valencia Conference Center which is considered one of the finest buildings of Valencia, an outstanding auditorium, designed by the architect Lord Norman Forster.

The conference theme will be focused on Agriculture Engineering for a better and healthy life, including all technologies related with safe food and environmental production. The scientific programme will include plenary sessions, parallel oral sessions and poster sessions on topic areas arranged so as to accommodate the scientific activities of technical sections.

Valencia is the third largest city in Spain with a population of around 1.000.000 inhabitants. It has a modern transport network comprising the Manises International Airport, extensive road, motorway and railway networks, and one of the best ports in Europe, all providing easy access from any part of the globe.

Organizing Committee:

Chairman: Dr. Florentino Juste, President of EurAgEng
members: Dr. Luis Val, Dr. Enrique Molto, Dr. Carlos Gracia

The XVIII CIGR World Congress 2014 Beijing, China, Autumn 2014, Agricultural Engineering — Upgrading Our Life Quality

The XVIII CIGR World Congress will be held in Beijing in 2014. The preparation of the big event is going on well and includes:

1. The sponsors of the XVIII CIGR World Congress 2014: International Commission of Agricultural Engineering (CIGR), Chinese Society for Agricultural Machinery, Chinese Society of Agricultural Engineering
2. The organizers of the XVIII CIGR World Congress 2014: Chinese Academy of Agricultural Mechanization Sciences (CAAMS), Chinese Academy of Agricultural Engineering, China Agricultural University
3. The time of the XVIII CIGR World Congress 2014 will

be in the autumn of 2014—the golden season in Beijing

4. The central theme of the XVIII CIGR World Congress 2014 is ‘Agricultural Engineering – Upgrading Our Life Quality’

5. The scientific programme includes plenary sessions, parallel oral and poster sessions, special sessions, exhibition and field trips.

6. The main topics will cover:

- (1) Land and Water System Engineering
- (2) Machinery Engineering for Plant Production
- (3) Bioprocessing System Engineering
- (4) Information Systems and Precision Farming
- (5) Rural Electricity and Renewable Energy

(6) Farming Buildings and Livestock Environmental Engineering

(7) Management, Ergonomics and System Engineering

We will distribute the first announcement of call for papers in 2010 at the XVII CIGR World Congress 2010, Quebec, Canada.

Beijing – a modern city with ancient charms – awaits you. Under the leadership and guidance of Presidium, Executive Board and Secretariat of CIGR, we will present you a wonderful World Congress of CIGR.

Prof. Shujun Li

Executive Board Member of CIGR

2. NEWS FROM REGIONAL AND NATIONAL SOCIETIES

Latin American and Caribbean Association of Agricultural Engineering (ALIA)

Foundation:

The Latin American and Caribbean Association of Agricultural Engineering (ALIA) was founded in the city of Chillan, Chile, during the General Assembly of the International Agricultural Engineering Congress on 26 November, 1994. Chile participated with 23 foundation members, Brazil with 21; Argentina with 14, Costa Rica with 7; Peru with 6; USA with 3; Paraguay and Mexico with 2 each; and Bolivia, Republica Dominicana, Ecuador, Uruguay and Italy with one member each.

Objective:

The objective of ALIA is to integrate associations and groups of agricultural engineering in Latin America and the Caribbean, through seminars and congresses, which are organized every two years in different countries of the region.

Congresses:

Since its foundation the Association has organized congresses in Brazil (1996), Argentina (1998), Mexico (2000), Cuba (2002), Costa Rica (2004), Chile (2006) and Nicaragua (2008). The congresses are the principal events organized by the Association. The next IX CLIA (Congreso Latinoamericano y del Caribe de Ingeniería Agrícola) 2010 will be held in Brazil in July 2010. The X CLIA 2012 will be held in Ecuador and



Prof. Omar Ulloa

the XI CLIA 2014 will be in Mexico.

For More Information, please visit:

[http:// www.aliaweb.org](http://www.aliaweb.org)

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3. NEWS FROM SECTIONS AND WORKING GROUPS

CIGR Section I ‘Land and Water Engineering’

1.1 Mission Statement

The mission of CIGR Section I is to 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.

1.2 Objectives

The main objective of Section I as defined in the mission



Prof. José M. Tarjuelo

statement implies other objectives that also contribute to the promotion of the land and water engineering science. These are:

- Improving the knowledge of processes leading to or affecting the quality of the soil resource;
- Development and applicability of technologies for land use planning, including the forecast of land use changes, and to assess land use impacts;
- Improving the knowledge on hydrological processes as affected by land use and agricultural practices;
- Enhanced knowledge of water contamination by fertilizers and agro-chemicals, and other agricultural sources, as well as relative to the assessment of control measures;
- Improved technologies for higher performances in irrigation and drainage;
- Environmental assessment of land and water use in agriculture; and

- Development of technologies, standards and monitoring systems for wastewater treatment and reuse, and use of low quality water in agriculture.

1.3 Scope

Considering the objectives defined as above, the scope of CIGR-Section I refers to the following main subject areas:

- Soil management and soil technologies;
- Soil and water conservation and soil erosion assessment;
- Agricultural and rural watershed hydrology;
- Land use planning and assessment;
- Rural roads and related supporting infrastructures;
- Irrigation scheduling and on-farm irrigation systems;
- Surface and sub-surface drainage systems;
- Irrigation water supply, conveyance and distribution systems;
- Non-point and point source contamination assessment and control;
- Integrated soil and water use planning;
- Integrated impact assessment of land and water development projects; and
- Modern technologies in land and water engineering, including modelling, information systems, remote sensing, decision support and expert systems.

The Section actually co-operates with three Working Groups:

- the Working Group on “Sustainable Land Use and Landscape Planning”, chaired by Hubert van Lier;
- the Working Group on “Water Management and Information Systems”, chaired by Antonio Brasa; and
- the Working Group on “Earth Observation for Land and Water Engineering”, chaired by Guido D’Urso.

1.4 Activities

To achieve the objectives, several activities shall be developed by CIGR-Section I. These comprise:

- Organisation, sponsoring and co-sponsoring of seminars, workshops and conferences oriented to the objectives and scope of CIGR-Section I;
- Co-organisation of thematic special sessions, workshops or seminars on occasions of CIGR congresses;
- Collaboration in scientific committees of general themes of CIGR Congresses;
- Contributing to the Ejournal of CIGR, both with papers and paper reviews, as well as to other publications of CIGR;
- Supporting the specialised working groups of CIGR of which themes fall in the domain of the Section, the respective Chair Persons becoming members of the Section Board;
- Establishing special relationships with other international societies of which field is common to that of Section I, namely the International Commission on Irrigation and Drainage and the European Society for Soil Conservation, of which representatives are ex-office members of the Board of Section I;
- Developing relations with the regional Agricultural Engineering Societies for implementing common actions; at present one Vice-President of EurAgEng is ex-office member of the Board of Section I;
- Implementing inter-sections activities; and

- Promoting exchanges of scientific information with professionals, such as through the FAO Agricultural Engineering sites.

All activities referred to above require improved effectiveness of contributions from Board members but some need particular inputs from the CIGR Bureau. This is the case for:

- Better clarification of the relationships between Congress organizing and scientific committees and the CIGR-Section Boards for more effectively achieving common objectives and improving the quality of Congress papers and publications;
- Re-examining the contributions of CIGR Sections to the Ejournal of CIGR, probably considering specialized editorial boards relative to each Section domain, such as for the Transactions of ASABE;
- Providing better information and diffusion of the Ejournal of CIGR to increase its circulation and its recognition by the scientific and engineering community; and
- Promoting the links of the regional Agricultural Engineering Societies with the CIGR Sections; a representative of each of these societies should become either member or ex-office member of each Section Board for improved co-operation;

1.5 Relationships with other Societies in the fields of Land and Water

1. Co-operation with ESSC

A closer co-operation between the European Society for Soil Conservation (ESSC) and CIGR has been agreed on. The President of ESSC, Dr. Jose L. Rubio, is invited to participate in the CIGR Section I Board.

2. Relationship between CIGR and EurAgEng on “Land and Water”

There has been a good communication between the two organisations. Prof. D. de Wrachien, Honorary Chairman of the Special Interest Group SW20 “Soil and Water” of EurAgEng, is an ex-office member of the Board of CIGR Section I. Prof. A. Musy, former Vice-Chairperson of CIGR Section I, is still the representative of Section I in the Special Interest Group SW20 “Soil and Water” of EurAgEng.

For the period of 2007-2010, Prof. Nunzio Romano represents the EurAgEng as a permanent observer in CIGR Section I Board. It is desirable that such collaboration be continued.

3. Collaboration with ICID

It has been agreed in the past that Dr. R. Ragab, Chairperson of the ICID Committee on “Sustainable Use of Natural Resources for Crop Production”, and a Chairperson of this Section Board would be mutually ex-office members of the counterpart working bodies. Prof. H. van Lier, represented CIGR Section I on that Committee.

Similarly Prof. H. van Lier is the representative member of CIGR in the ICID Working Group on “Integrated Land and Water Resources Management”, so to exchange information and develop co-operative activities.

4. Relationship between CIGR and NOWRA

Prof. Dr. Ted L. Loudon represents the U.S. based National Onsite Wastewater Recycling Association (NOWRA) with

the aim of promoting the onsite wastewater treatment and recycling industry through education, training, communication and quality tools to support excellence in performance.

5. Relationship between CIGR and PIARC

Prof. Dr. C. F. Jaarsma represents the World Road Association (PIARC), dealing with road infrastructure planning, design, construction, maintenance and operation.

6. Relationship between CIGR and PAWEES

Before 2007, Prof. Dr. Yohei Sato represented the International Society of Paddy and Water Environment Engineering (PAWEES). PAWEES' mission is to dedicate to the advancement of science and technology of land and water environmental disciplines in paddy-farming, considering the paddy rice-culture (which is quite different in its nature from the upland farming) as the most important agricultural practice, especially in Asia-monsoon climate regions, in-terms of the socio-economic, cultural, political and natural environment as well as symbolizing the image of harmonization of water and soil environment including many external intangible benefits ignored often in the past. PAWEES' establishment is to recognize the importance of the uniqueness of rice cultivation, the multifunctionality of rice ecosystems, the efficient utilization of soil and water, and related environmental issues.

For the period 2007-2010, Prof. Dr. Yoshisuke Nakano represents PAWEES as permanent observer in CIGR Section I Board.

7. Relationship between CIGR and EIER-ETSHER

Prof. Dr. Amadou Hama Maiga represented the International Institute of Water and Environmental engineering (2iE), Group EIER-ETSHER (Groupe des Ecoles Inter Etats des Ingenieurs et des Techniciens Superieurs). This initiative is at the heart of a global effort to promote development and economic growth in Africa. The formation, in Africa and by Africans, of high level scientists and engineers, in keeping with the private sector and the realities of the continent, aims to supply Africa with its future scientific elite and future leaders capable both of installing economic dynamism and of bringing concrete solutions to the problems which afflict Sub-Saharan Africa.

For the period 2007-2010, it will be Prof. Dr. Hama Yacouba who represents EIER-ETSHER as a permanent observer on the CIGR Section I Board.

8. Relationships with the Presidium of CIGR

Prof. Dr. Luis Santos Pereira, Honorary Chairperson of Section I was Past President of CIGR for the period 2007-2008. During his mandate a closer cooperation was carried out in terms of coordination among all CIGR sections.

9. Relationship between CIGR and WWC

The World Water Council is the International Water Policy Think-Tank dedicated to strengthening the world water movement for an improved management of the world's water resources and water services. Its mission is "to promote awareness, build political commitment and trigger action on critical water issues at all levels, including the highest decision-making level to facilitate the efficient conservation, protection, development, planning, management and use of

water in all its dimensions on an environmentally sustainable basis for the benefit of all life on earth".

Prof. Dr. Luis Santos Pereira, as President of CIGR, committed himself to invite WWC to participate in the Board of CIGR Section I with one ex-office member representing the World Water Council.

10. Relationship between CIGR and ISOMUL

The International Study group Of Multiple Uses of Land (ISOMUL) was founded in 1974 and has been set up as a platform for discussions and publications on topics related to multiple use of land. Initially, these discussions and publications were aimed at problems concerning planning for multiple land uses in western society. Today it is well understood that most of these problems are of a world-wide nature.

Over the years, the mission of ISOMUL has been extended in response to an integration of new topics in planning for multiple land uses. The planning for a sustainable countryside, the relation between urban and rural areas, the restoration of nature and ecosystems and the safeguarding of our natural resources are but a few of these topics.

Prof. H. van Lier, Chairman of ISOMUL and Member of CIGR Section-I Board, expressed his support to strengthen links between both organisations.

1.6 Inter Regional Conferences on "Environment - Water"

*Past Conferences

- 1st Inter-Regional Conference on 'Water and the Environment: Innovative Issues in Irrigation and Drainage', September, 1998, Lisbon, Portugal.
- 2nd Inter-Regional Conference on 'Emerging Technologies for Sustainable Land Use and Water Management', September, 1999, Lausanne, Switzerland.
- 3rd Inter-Regional Conference on 'Water Resources Management in the 21st Century, Particular Reference to Europe', 1-3 June, 2000, Budapest, Hungary.
- 4th Inter-Regional Conference on 'Competitive Use and Conservation Strategies for Water and Natural Resources', 27-30 August, 2001, Fortaleza, Brazil.
- 5th Inter-Regional Conference on 'Sustainable Water Recourses Management: Health and Productivity in Hot Climates', 5-8 November, 2002, Ouagadougou, Burkina Faso.
- 6th Inter-Regional Conference on 'Land and Water Use, Planning and Management', 3-5 September, 2003, Albacete, Spain.
- 7th Inter-Regional Conference on 'Land and Water Management: Decision Tools and Practice, on the occasion of the 2004 CIGR International Conference, 11-14 October, 2004, Beijing, China.
- 8th¹ Inter-Regional Conference on 'Environmental Quality through Collaboration and Design', 27-29 June 2005, Arlington, Texas, USA.
- 9th Inter-Regional Conference on 'Concepts for Water Management and Multifunctional Land-Uses in Low-land Regions', 17-19 May, 2006, Delft, The Netherlands.
- 10th Conference on 'Ensuring Water and Environment for Posterity', organized by the Indian Society of Water Management, in collaboration with the Indian Society of

Agricultural Engineering and CIGR, 17-20 October, 2007, Indian Agricultural Research Institute in New Delhi, India.

***Forthcoming Inter-Regional Conferences on Land, Water and Environment**

- 11th Inter-Regional Conference on ‘Environment-Water’ on the occasion of the CIGR International Conference, 31 August to 5 September, 2008, Iguassu Falls City, Paraná State, Brazil.
- 12th Inter-Regional Conference on ‘Environment-Water’, June 2009, Rabat, Morocco. (Now changed to Marrakesh, Morocco)
- 13th Inter-Regional Conference on ‘Environment-Water’ on the occasion of the 17th World Congress of CIGR, 13-16 June, 2010, Quebec City, Canada.

1.7 Sponsored and/or Co-sponsored activities

*** Sponsored and/or Co-sponsored Conferences and Workshops in 2005**

- International Conference on ‘Water, Land and Food Security in Arid and Semi-Arid Regions’, 6-11 September, 2005, Bari Institute, Italy.
- PAWEES 2005 International Conference on ‘Management of Paddy and Water Environment for Sustainable Rice Production’, 7-8 September, 2005, Kyoto, Japan.
- IUSS Conference on ‘Salinization’, 19-22 September, 2005, Budapest, Hungary.
- XXXI CIOSTA-CIGR V Congress ‘Increasing Work Efficiency in Agriculture, Horticulture and Forestry’, 19-21 September, 2005, University of Hohenheim, Stuttgart, Germany.
- III World Congress on ‘Conservation Agriculture’ (WCCA), 3-7 October, 2005, Nairobi, Kenya.
- International Congress on ‘Irrigation and Drainage, CUBA-IRRIGATION 2005’, 25-28 October, 2005 Havana, Cuba.
- International Seminar on ‘Sustainable Access and Local Resource Solutions’ organized by the World Road Association (PIARC), November, 2005, Cambodia.

*** Sponsored and/or Co-sponsored Conferences and Workshops in 2006**

- International Symposium on ‘Water and Land Management for Sustainable Irrigated Agriculture’, 4 - 8 April, 2006, Adana, Turkey.
- ‘Multi-scale Modelling of Flow and Transport in Porous Media’, 7-12 April, 2006, Monte Verita, Switzerland.
- Workshop on ‘Maintenance of Rural Roads - Stakes and Perspectives’, 20-21 April, 2006, Rabat, Morocco.
- III International Symposium on ‘Transboundary Waters Management’, 30 May to 2 June, 2006, Ciudad Real, Spain.
- III International Conference on ‘Waste Management and the Environment’, 21-23 June, 2006, Malta.
- 17th Triennial Conference of the International Soil Tillage Research Organization (ISTRO) on ‘Sustainability – its Impact on Soil Management and Environment’, 28 August to 3 September, 2006, Kiel, Germany.
- CIGR World Congress ‘Agricultural Engineering for a Better World’, 3-7 September, 2006, Bonn, Germany.

- International Conference ‘From Invention and Development to Product; From Research Institutes to the Water Industry’, 21-23 November, 2006 Sede Boquer Campus, Israel.

***Sponsored and/or Co-sponsored Conferences and Workshops in 2007**

- International Conference on ‘Water Saving in Mediterranean Agriculture & Future Research Needs’, CIHEAM, 14-17 February, 2007, Mediterranean Agronomic Institute of Bari, Italy.
- Iberian Congress on ‘Agricultural Engineering’, 3-6 September, 2007, Albacete, Spain.
- International Symposium ‘21st Century Watershed Technology: Improving Water Quality and Environment’, 29 March to 3 April, 2008, Concepcion, Chile.

*** Sponsored and/or Co-sponsored Conferences and Workshops in 2008**

- CIGR International Conference 1-7 September, 2008, Iguassu Falls City, Paraná State, Brazil.
- International Symposium on ‘Efficient Irrigation Technology and Management for Developing Countries’, 8-27 September, 2008, Beijing, China.
- National Conference on ‘Agricultural Water and Land Engineering’, 31 July to 1 August, 2008, Shihezi City, Xingjiang Autonomous Region, China.

1.8 Board meetings

- * 1994: 29 August, XII CIGR World Congress, Milan, Italy.
- * 1995: 14 September, Rome, Italy.
- * 1996: 5 September, Gödöllő, Hungary.
- * 1997: 2 June, Albacete, Spain.
- * 1998: 1 February, XIII CIGR World Congress, Rabat, Morocco.
- * 1999: 16 September, Granada, Spain.
- * 2000: 28 November, XIV CIGR World Congress, Tsukuba, Japan.
- * 2001: 3 July, Florence, Italy.
- * 2002: 29 July, XV CIGR World Congress, Chicago, USA.
- * 2003: 2 September, 6th ENVIROWATER Conference, Albacete, Spain.
- * 2004: 10 October, 7th ENVIROWATER Conference, Beijing, China.
- * 2005: 1 July, 8th ENVIROWATER Conference, Arlington, Texas, USA.
- * 2006: (1) 16 May, 9th ENVIROWATER Conference, Delft, The Netherlands.
(2) 3 September, CIGR World Congress, Bonn, Germany.
- * 2007: October, 10th ENVIROWATER Conference, New Delhi, India.
- * 2008: August, CIGR International Conference 2008, Iguassu Falls City, Paraná State, Brazil.

*José Maria Tarjuelo
Chairperson of Section I
Guanhua Huang
Secretary of Section I*

Minutes of CIGR Section II Board Meeting Part B

31 August 2008 in Iguassu Falls City, Brazil

The meeting of Section Board II was held at the CIGR International Conference of Agricultural Engineering 2008, Iguassu Falls City, Brazil, 31 August to 4 September 2008.

Participants:

Daniel Berckmans; Eileen Wheeler; Daniella Moura; Richard Gates; In-Bok Lee; Ilda Ferrcina Tinôco; Søren Pedersen; André Aarnink; Larry Jacobson; Kevin Janne; Stephane Bodbout; Lorie Hamelin; Irenizza A. Nääs; Baoming Li; Cecilia de F Souza; Holmer Savastano; Paolo Liberati



1. Updates of CIGR Section II official delegates
 - 1) Daniel Berckmans asks Panos Panagakis to confirm that his colleagues have agreed that he represents Greece in the Section II Board.
 - 2) The same is asked to In-Bok Lee to represent Korea.
 - 3) The same is asked to Victoria Blanes Vidal to represent Spain.
 - 4) All people are invited to participate as "Special guests".
2. CIGR website
 - 1) The website becomes more powerful. This is organized by Fedro Zazueta.
 - 2) Section II will bring all produced reports on the website.
 - 3) The glossary with definitions produced by the "Hot Climate Working Group" will be put on the website. This is organized by Panos Panagakis.
 - i. A one-page leaflet will be prepared to inform people that such a glossary of definitions is available on the website. No costs are accepted.
 - ii. A paper is submitted to ASABE and EurAgEng to present the glossary of definitions.
 - 4) All country delegates will be asked to provide us with the list of CIGR-members who should receive the CIGR Newsletter by e-mail.
 - 5) The URL of the CIGR website is <http://www.cigr.org/Section2Farmbuildngsequimentstructuresandenvironment.htm>
 - 6) We check whether it is possible to register yourself as "interested to receive the newsletter".
 - 7) It would be interesting to link the name of individuals to the keywords of their research.
 - 8) We should use the CIGR website as the meeting point for information.
 - i. All info about conferences should be submitted to Fedro Zazueta (section VII chair) to be put on the Section II conference information.
3. Activities
 - 1) CIGR Section II will collaborate with the EURAGENG Working Group on Air Emissions. Their meetings should be announced on the CIGR website.
 - 2) EU-PLF Actions
 - i. Proposal for COST-proposal submitted twice. Twice not accepted.
 - 3) PLF call

- i. Proposal submitted, but it was not accepted
- ii. No Section II Reviewers in the EU-list of reviewers
- iii. We ask all Section II members to register as EU-reviewers. The procedure can be found at this URL: <https://cordis.europa.eu/emmf7/index.cfm?fuseaction=wel.welcome>
- 4) All available information on project deadlines should be on the CIGR website.
4. Conferences
 - 1) Sessions on Emission measuring techniques will be organized by Section II in Quebec 2010. Takai Horsens (Denmark) takes the lead to contact people for a strong session.
 - 2) Aquaculture: Section II organizes a session on Aquaculture in the ECPLF-meeting in Wageningen. Ilan Halachmi is asked to take the lead.
 - 3) Up coming conferences
 - i. IV International Workshop on Assessment of Animal Welfare: 10-13 September, Gent, Belgium
 - ii. BTU, Animal Welfare Conference in South Africa (Reiner Brunsch)
 - iii. 60th EAAP Annual Meeting: 24-27 August, Barcelona, Spain
 - iv. XIV ISAH Congress 2009: 19-23 July 2009, Vechta, Germany
 - v. ICAR General Assembly and Management Workshop on: " Management of new recording and evaluation technologies", Porec, Croatia, 11-14 May 2009
 - vi. International Agricultural Engineering Conference: 21-24 September 2009, Brisbane, Australia
 - vii. Irene gives info about Bologna Meeting Paolo Liberati on Animal Welfare.
5. Various topics
 - 1) Shorter name
 - i. Suggestion: Engineering for Structures & Environment
 - 2) Ejournal
 - i. Open Journal System (OJS)
 - ii. Successor as associate editor for Søren Pederson in the Ejournal: Ask Thomas Banhazi and André Aarnink to become Section II assistants for the Ejournal
 - iii. Ask all members to register in EJournal as reviewers
 - iv. André Aarnink and Thomas Banhazi will be asked to distribute papers for reviewing
 - v. Impact Factor approval by ISI might come soon?
 - 3) Financial situation of CIGR Section II: We have \$500 Suggestions to use the money can always be given.
6. Next Section II Board meeting
 - 1) 2009: ECPLF Conference in Wageningen
 - 2) 2010: CIGR World Congress in Quebec

*Secretary of Section II: Eberhard Hartung; Email: ehartung@ilv.uni-kiel.de
Minutes by Daniel Berckmans
Chairperson of Section II*

**Minutes of CIGR Section II
Board Meeting Part A
23 June 2008 in Crete, Greece**

The meeting of Section Board II was held at AgEng2008 International Conference on Agricultural Engineering & Industry Exhibition Agricultural and Biosystems Engineering for a Sustainable World, Hersonissos, Crete - Greece, 23-25 June 2008 .

Participants:

Daniel Berckmans; Panagiotis Panagakis; Victoria Blanes-Vidal; Jan Harms; Stefan Thurner; Hans Benny Rom; Hisamitsu Takai; Preben Dahl; Ilan Halachmi; Claudia Bahr; Daniel Herd; Jürgen Vangeyte; Zhang Guoqiang; Giovanni Cascone; Reiner Brunsch; Bjerg Bjarne; Angelika Haeussermann

Apologised:

Eberhard Hartung; Thomas Banhazi; Daniella Jorge de Moura; Holmer Savastano; Tadeusz Kuczynski; Eileen Fabian Wheeler; Shuso Kawamura; Gert-Jan Monteny

General Introduction

Main goals of CIGR:

- To act as an umbrella for all national committees
- To set an International Calendar for conferences /workshops

1. Updates of CIGR Section II official delegates
 - 1) The minutes of the meeting will be sent to all participants. Please don't hesitate to inform the secretary in the case you have any remarks
 - 2) Suggestions for new delegates are welcome if there is no representative for a particular country: within a country candidates have to agree with their colleagues
 - 3) Victoria Blanes Vidal is asked to represent Spain
2. CIGR website
 - 1) Only official delegates are mentioned on the website;
 - 2) Suggestions for improving the website are welcome
3. Conferences
 - 1) CIGR Section II and the EurAgEng working group of Air Emission should have better cooperation with each other.
 - 2) Greensys Working Group: Suggestion to cooperate with ISHS

It was agreed on the suggestion of Daniel Berckmans that Prof. Giacomo Scarascia will take the lead to contact ISHS; Daniel will ask Giacomo
 - 3) Animal Housing in Hot Climate
 - i. Panos Panagakis presented the actual status of the "Glossary of Definitions" working group and past actions.
 - ii. A glossary of definitions on related terms has been worked out and will be finalised including the terms that are still missing.
 - iii. Planned steps are to put the glossary on the website and on Wikipedia and to produce a leaflet.
 - iv. Funding has to be found for the leaflet.
 - v. Critics were given to publish the glossary in Wikipedia, such as:
 - Notes in Wikipedia can be changed by everybody (Daniel Herd)
 - Does Wikipedia really make sense? (Victoria Blanes-Vidal)
 - vi. Jan Harms suggested to translate the glossary into different languages and to bring it down to national organisations (such as VDI?)
 - vii. Agreement was on following decisions:

- It was agreed to bring the glossary onto the website of CIGR
 - Daniel Berckmans and Panos Panagakis will propose at the meeting in Brazil to make leaflets to make the glossary well known
- 4) Relation between PLF/Aquaculture and Section II (Question: Ilan Halachmi)
 - viii. Section II provides information about what is going on in EU PLF
 - ix. Application of PLF, e.g. Aquaculture as special sessions within PLF conferences
 - Ilan Halachmi will organise a session on "Aquaculture Engineering", with around six speakers more or less.
 - 5) Upcoming conferences (supported by CIGR)
 - x. ILES 1-7 Sep 2008, Brazil
 - xi. IV International Workshop on Assessment of Animal Welfare: 10-13 September, Gent, Belgium
 - xii. BTU, Animal Welfare Conference in South Africa (Reiner Brunsch)
 - xiii. 60th EAAP Annual Meeting: 24-27 August, Barcelona, Spain
 - xiv. XIV ISAH Congress 2009: 19-23 July 2009, Vechta, Germany
 - xv. ICAR General Assembly and Management Workshop on: " Management of new recording and evaluation technologies", Porec, Croatia, 11-14 May 2009
 4. Measuring protocol for emission measurements
 - 1) Proposals for future actions:
 - xvi. A measuring protocol could be worked out by the existing network, such as the network for the "Hot climate glossary" (H. Takai)
 - xvii. It was agreed that a session on measuring techniques will be planned on this topic in connection with the CIGR conference in Quebec 2010:
 - H. Takai will take the lead in making the session
 - Homework should be done before
 5. Various topics
 - 1) Participants vs. official delegates
 - xviii. Suggestion to bring in name of participants into Section II website (Panos Panagakis) – is not possible
 - xix. Daniel Berckmans will invite colleagues in Greece about a delegate of Greece.
 - xx. Participants are always invited in the Section II board meeting as special guests.
 - 2) Name of Section II
 - xxi. Suggestion for a shorter name are welcome, such as:
 - "Structures and Environment" (Panos Panagakis)
 - Will be suggested in the board meeting in Brazil
 - 3) Next meeting of the CIGR Section II board:
 - xxii. EU PLF conference, Wageningen 2009
 - Will be suggested in the board meeting in Brazil

*Secretary of Section II: Eberhard Hartung
Email: ehartung@ilv.uni-kiel.de
Minutes by Angelika Haeussermann*

CIGR Section III 'Equipment Engineering for Plants'

Leadership:

Prof. John K. Schueller of the University of Florida was appointed chair of Section III at the CIGR International Conference of Agricultural Engineering at Foz do Iguacu, Brazil.

Mission Statement:

A mission statement for Section III has been proposed. It is still in draft form and is awaiting further modification and approval. In its current form it is:

Section III of the International Commission of Agricultural Engineering (CIGR) deals with the engineering principles and technologies of equipment used to produce plants, including equipment for preparation, planting, protection, harvesting, and transport of plants used for food, feed, fiber, fuel, and environmental purposes. Elements of the mission include:

- fostering mutual understanding and sharing of information between different nations and regions;
- improving the engineering and technologies of equipment,
- identifying advances and areas of needed research and development;
- promoting appropriate regional and human development;
- promoting human safety and environmental sustainability;
- stimulating participation in CIGR activities;
- developing, strengthening, and working with regional and national societies and associations and;
- representing and promoting agricultural engineering worldwide.

Upon approval of the mission statement, work will begin on the objectives and scope of the section.

Recent Conferences: Thanks to the Brazilian hosts, the International Conference of Agricultural Engineering in Foz do Iguacu in early September was a success. A variety of interesting and informative lectures and posters were presented in areas of interest to Section III members. The 2008 Automated Technology for Off-Road Equipment (ATOE) conference was jointly held at the same time.

Future Conferences: Section III will be active in the XVII World Congress 2010 in Quebec City, Canada on 13-17 June 2010. The section will sponsor a variety of technical sessions and will hold a board meeting there. The 2010 ATOE conference will be held as a preconference to the AgEng2010 conference being held in Clermont-Ferrand, France on 6-8 September. Michel Berducat of CEMAGREF will be in charge of the local arrangements.

Section Meetings: Interested Section III members met twice during the Foz do Iguacu conference to discuss section business. In addition, the chair met with interested members at the International Workshop on Agricultural Machine Automation Navigation Key Technology in Guangzhou, China and the Club of Bologna meeting in Italy, both during November 2008, to discuss efforts to re-energize the section.

CIGR Ejournal: The electronic journal efforts of Section



Prof. John K. Schueller

III continue to be led by the hard work of Prof. Bill Chancellor.

Contemporary Emphases: Although Section III covers the entire broad spectrum of equipment engineering for plant production topics, there are some areas currently being emphasized. These include equipment for biofuel crops, using precision navigation for machinery operations, mechanization for fruit and vegetable crops, and developing the next generation of machinery leaders. These topics will receive special emphasis in conferences and meetings.

Feedback: Comments and suggestions on the above, or any other Section III topics, should be emailed to Prof. Schueller at schuejk@ufl.edu.

*Prof. John K. Schueller
Chairperson of Section III*

CIGR Section IV 'Energy in Agriculture'

Mission Statement:

World question in the 20th century was "Can humankind preserve environment without famine?" In the 21st century, the energy crisis is added to the question. It is changed into "Can humankind preserve environment without famine and an energy crisis?". CIGR has supported agriculture by developing technology and engineering. Agriculture can produce energy and also consumes it. The energy issue has been important in CIGR activities. Section IV was named "Rural electricity and other energy source", but the name has been changed to "Energy in agriculture". Changing the name means that Section IV widely discusses energy in agriculture.

Objectives:

Humankind has developed fossil, nuclear and natural energy like water and wind. Section IV mainly discusses natural energy. In particular biomass energy is discussed. It is renewable energy, and we are now developing the technology to produce energy from it, now. Moreover biomass energy has to harmonize with the food supply because ethanol is produced from sugarcane, maize and other crops. First of all crops have to be used as food in order to support human lives. In Section IV, these problems are discussed.

Scope:

Energy problems depend on regional conditions and the state of individual countries. In developed countries saving fossil energy is important. In developing countries however rural electricity is still important. In the Asian monsoon region population density is high and the automobile is becoming popular. Saving fossil energy in harmony with economic growth becomes important.

Activities:

Section meeting will be held every year as a rule. The meeting accompanies a related international conference on agricultural engineering or energy. In the meeting the activities of the Section are discussed and confirmed. The latest research results in the member's region are discussed.



Prof. Mikio Umeda

In 2009 the International Symposium of Section IV will be held on 30 August to 4 September in Gödöllő, Hungary.

*Prof. Mikio Umeda
Chairperson of Section IV*

CIGR Section V 'Management, Ergonomics and Systems Engineering'

Mission Statement:

The mission of Section V is to optimize work organization and farm management, through work planning and logistics as well as system engineering, while improving the health and safety of workers as well as ergonomic factors such as work satisfaction.

The R&D activities deal with the following themes: Work science and work organization, System management, Logistics, Risk analysis and ergonomics, Traceability and Food safety.



Prof. Pietro Piccarolo

Scope:

The Scope of R&D activities is to increase competitiveness focusing on labour and energy efficiency.

Activity Plan 2009:

1. In collaboration with CIOSTA the organization of the XXXIII International Conference in Reggio Calabria, Italy, 17-19 June 2009. Title: Technology and management to ensure sustainable agriculture, agro-systems, forestry and safety (<http://www.ciosta.unirc.it>);
2. In collaboration with the X CADIR Congress in Rosario, Santa Fé, Argentina (1-4 September 2009) the CIGR V International Conference. Title: "Technology and management to increase the efficiency in sustainable agricultural system" (<http://www.cadir2009.unr.edu.ar>).

*Prof. Pietro Piccarolo
Chairperson of Section V*

CIGR Section VI 'Post-harvest Technology and Process Engineering'

Mission Statement:

The mission statement of Section VI is precisely described in the report "Objectives of Section VI Activities Postharvest Technology and Process Engineering" published in CIGR Newsletter No. 75, Oct. 2006 pp. 15-16 by Past Chair – Prof. Da-Wen Sun (presently Honorary Chair of the Section VI).

As a condition of achieving the aim mentioned above, it is necessary not only to continue but also to enlarge the activities listed below:

- organizing seminars, workshops or conferences connected with the objectives of CIGR Section VI;
- cooperating with the CIGR Working Groups covering the scientific scope of CIGR Section VI;
- enlarging contacts and cooperation with similar international organizations;
- expanding as far as possible the sponsoring by and cooperation of CIGR in national conferences, to enlarge

the presence of CIGR in scientific activity within the field of post-harvest and food process engineering.

Activity:

The scope of activity within the frames of the Section name means that the scientific and practical problems comprise not only agricultural post harvest processing but also food engineering processes.

Such position requires cooperation with some international organizations acting in the food technology and engineering field. Therefore it is desirable to enter into closer cooperation with the International Association of Engineering and Food (IAEF), the International Union of Food Science and Technology (IUFoST) and with the regional and national societies like EurAgEng, AAAE etc.

Special attention should be paid to developing new processes (e.g. for minimal processed food) and, in parallel, to developing and disseminating small and simplified, cheap technologies, adjusted to climate conditions and the economies of developing countries.

One can expect that obligatory food safety systems (GMP, GHP, HACCP, etc.) introduced in many countries (like the EU or North America) will be introduced everywhere. This requires not only new technologies but also new sensing equipment and on-line control systems.

A new approach in food safety called 'traceability' means it is necessary to introduce a system of controlling and identifying a product in this way during the whole processing cycle 'from the field to the table'.

That can be achieved through multi-disciplinary cooperation of specialists from agricultural process engineering, food machinery design and computer sciences. Also cooperation of specialists from biochemistry or biotechnology would be desirable.

International Symposia:

Besides the activities at the CIGR Congresses, regular CIGR Section VI International Symposia have been organized as detailed below:

- 1st International Symposium on 'Bioproducts Processing and Food Safety', 11-14 October 2004, Beijing, China.
- 3rd International Symposium on 'Food and Agricultural Products. Processing and Innovation', 23-28 September 2007, Naples, Italy.
- 4th International Symposium on 'Food and Bioprocess Technology', 31 August to 4 September 2008, Foz do Lguaçu, Brazil
- 5th International Symposium on 'Monitoring Technology in Bioprocess and Food Quality Management', 31 August to 2 September 2009, Potsdam, Germany.
- 6th International Symposium, December, 2010, (proposed Bangkok, Thailand).

The Section VI Board meetings are proposed to be held during the symposia.

Ejournal:

Section VI has permanent cooperation with the Ejournal through the contribution of papers, by appointed and suggested paper reviewers and through the intermediary of the Section Editor (since this year Dr Laszlo Baranyai – member of the Section VI Board).



Prof. Jozef Grochowicz

Prof. Dr. Jozef Grochowicz

Chairperson of Section VI
Polish Society of Food Engineering, Honorary President

Minutes of CIGR Section VI Executive Committee Meeting Iguassu Falls City, Brazil 1 September 2008, 7-9pm

Attendance

Prof. Jozef Grochowicz (Chair), Prof. Da-Wen Sun (Hon CIGR Vice President), Dr. Linus U. Opara, Prof. Margarita Ruiz Altisent, Dr. Manuela Zude, Prof. Amauri Rosenthal, Prof. Kiyohiko Toyoda, Prof. Shujun Li

1. Welcome

The Chair welcomed committee members and outlined the agenda for the meeting. He also thanked Prof Rosenthal and members of the organizing committee of the 4th CIGR Section VI International Symposium on Food and Bioprocess Technology for their efforts in hosting the symposium.

2. Approval of minutes

Minutes of the previous meeting held in Naples, Italy, had previously being distributed by email and approved.

3. Report on the 3rd International Symposium held in Naples, Italy.

Prof. Sun reported that the symposium was very successful and attracted over 300 registered participants. Selected papers have been peer-reviewed and published. The accepted papers will soon be published in a Special Issue of *Food and Bioprocess Technology: An International Journal*. Dr Zude is the Special Issue Editor. Members commended Prof Sun and members of the organizing committee on the success of the symposium and especially for the publication of a special journal issue, which was considered as a good incentive for continuing success in attracting good attendance at future CIGR Section VI symposia.

4. Report on the 5rd International Symposium to be held in Potsdam, Germany.

Dr Zude reported that the symposium website is now operational and that the 1st Announcement and Call for Papers has been printed and distributed. She thanked Committee members for their input and suggestions on the contents. Following extended discussion on institutional and financial support, it was agreed that the organizing committee should seek the formal support of relevant scientific organizations such as EurAgEng and ASABE as well as financial support from companies such as scientific equipment manufacturers.

The lack of CIGR Presidium presence in previous Committee meetings of Section VI was noted. It was agreed that the Chair should invite the CIGR Presidium to hold the next CIGR Executive Board Meeting and Technical Board Meeting during the 5th International Symposium in Potsdam. Invitation of keynote speakers at the symposium will be discussed in the near future by the organizing committee.

The Chair thanked Dr. Zude for her ongoing efforts to ensure a successful scientific symposium and urged members to continue to offer their support.

5. Venue and date for the 6th International Symposium

Prof. Sun reported that he has received verbal expressions of interest from Egypt, Iran, and Japan and was awaiting further discussion. Prof Toyoda was requested to discuss with Mr. Yoshisuke Kishida (President of the AAAE) on the

possibility of co-hosting the symposium in Bangkok in 2010. Prof Altisent informed Committee members about the need to avoid timing conflict with other major and related international scientific conferences being held in 2010 such as the ISHS World Congress in Lisbon and the CIGR World Congress in Quebec. It was agreed that efforts should be made, as in 2007 between the 3rd Symposium in Italy and EurAgEng Conference in Germany, to ensure sufficient time gap in dates between the CIGR Section VI Symposium and other related conferences.

6. Discussion of CIGR Section VI "Mission Statement" and Name

The Chair introduced the discussion and urged members to consider revising and improving the Mission Statement to reflect the current activities of Section VI as well as emerging technologies which impact on our research and society at large. It was agreed that members should access the current Mission Statement which is available online and send suggested changes and comments to the Chair for collation and future discussion.

Possible changes to the current name of CIGR Section VI (Postharvest Technology and Process Engineering) were introduced by the Chair and considered by Committee members. Suggested new names included Agroprocessing, Food Engineering, Bioprocessing Engineering, and Agroprocesses Engineering. After extended discussion, members agreed on '**Agroprocesses Engineering**' on the basis that it captured the 'agricultural' focus of the CIGR and encapsulated both the 'process' and 'equipment design' components of agricultural engineering practice. The Chair will forward the suggested new name to the CIGR Presidium for approval.

7. Cooperation with CIGR Ejournal

The Chair informed the Committee that each CIGR Section appoints an Associate Editor to assist in managing the review of papers for the CIGR Ejournal. Dr Zude reported that Dr Laszlo Baranyai from Hungary (lbaranyai@atb-potsdam-de) had in 2007 taken over from her as the new Section VI Associate Editor of the journal. She noted that during the past year 25 papers were submitted and 10 have been published. Most of the papers were submitted from Nigeria, India, Thailand, Iran, Germany, Canada and Malaysia. The Executive Committee thanked Dr Zude for her services and requested the Chair to invite Dr Baranyai to join the Executive Committee in his new role as the Associate Editor of Section VI of the CIGR Ejournal.

8. Armand Blanc Prize (2008) and cooperation with other scientific organizations

The Chair reported that a total of three nominations were received by the CIGR Presidium, including two from Section VI. In the future, nominations will include information on the age of nominees.

Prof. Sun noted that CIGR Section VI has ongoing cooperation with other relevant scientific organizations such as ASABE and EurAgEng through co-sponsoring of scientific symposia.

9. Committee Membership

The membership of the Executive Committee was reviewed and discussed. The Committee unanimously agreed to replace Dr. Luis Luchsinger and invited Prof. Amauri Rosenthal to join the Executive Committee of CIGR Section VI. Prof. Rosenthal accepted the invitation and thanked the Committee for the opportunity to serve.

Prof. Altisent encouraged the use of emails and other electronic media to participate and contribute to the smooth running of the affairs of the Committee and Section VI.

10. Participation at Executive Committee Meetings

Dr. Opara outlined the need for CIGR Section VI symposium organizers to assist in covering the cost, at least partially, of key office holders such as the Chair, Hon Chair and Secretary, to attend. He noted that Committee meetings are almost exclusively held during the symposium and from the Committee's perspective the symposia are organized on a not-for-profit basis. Covering part of the cost for key office holders to attend would enable them to exercise their duties without total dependence on their own organizations and personal expenses.

Prof. Altisent noted that it has been conventional practice that people accepted such responsibilities as part of their contributions to their professional society in lieu of peer recognition.

It was agreed that the recommendation proposed by Dr. Opara will be taken into consideration by future organizers of CIGR Section International Symposia.

The Chair thanked Committee members for their participation and ongoing contributions to the success of CIGR Section VI.

*Prof. Dr. Jozef Grochowicz
Chairperson of Section VI
Dr. Linus U. Opara
Took the minutes*

CIGR Section VII 'Information Systems'

Change in Section VII Leadership:

Effective November 2008, Dr. Fedro Zazueta, stepped down as chair of Section VII after being elected Incoming President for CIGR. We are pleased to welcome Dr. Antonio Saraiva from Brazil and member of Section VII, who has kindly agreed to chair the section.



Prof. Fedro Zazueta

World Congress for Computers in Agriculture (WCCA):

Abstract Submission deadline.

The next WCCA will be held in June 2009, Reno, Nevada, USA concurrently with the ASABE International Meeting.

Coordination of this event is done in cooperation with Section VII and involves multiple disciplines. All agricultural professionals interested in IT are invited to submit **an abstract by the 16 January, 2009, deadline.**

For more information see www.wcca2009.org.

*Prof. Fedro Zazueta
Past Chairperson of Section VII*

Minutes of Working Group on 'Animal Housing in Hot Climate' Meeting on 2 September 2008 in Brazil

Participants:

José Carlos Barbosa; Søren Pedersen; Robert Chambers; Irenizza A. Nääs; Paolo Liberati; Baoming Li; Wei Chao; Chaoyuan Wang; In-Bok Lee; Richard Gates; Matteo Barbari; André Aarnink; Ephraim Maltz; Svend Morsing; GuoQiang Zhang; Hans-Joachim Müller; Daniel Berckmans; Hongwei Xin

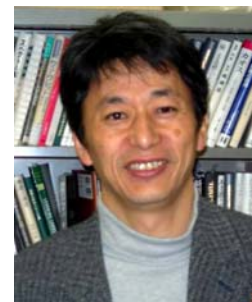
1. Working group website: <http://www.agr.cu.edu.eg/cigr/>
2. Mohammed Hatem presented the website of the working group
3. Mohammed Hatem presented a tool. This will come on the website.
4. Heat Waves and Weather Data presented by José Carlos Barbosa
 - 1) Collection of weather data: heat waves data in the different countries
 - 2) Make a mailing list for a communication line
 - 3) Final result
 - i. Review paper,
 - ii. Report
5. CIGR-Website can realise a discussion forum. The website of the working group can be hosted there. Internet discussion will be lead by José Carlos Barbosa.
6. Agenda next meeting
 - 1) Glossary definitions
 - 2) Heat Waves: Presented by José Carlos
 - 3) Status of the tool: to be presented by Mohammed Hatem
 - 4) Rule for internet discussion given by José Carlos: Only copy the text you reply to with your answer.
 - 5) Countries not related to hot climate but now affected by hot climate
7. Next meeting:
 - 1) There were 3 proposals
 - i. Shalem Shake,
 - ii. Vietnam,
 - iii. Beijing
 - 1) It was decided that next meeting will be organised by prof. Baoming Li (Beijing) in connection with a conference. Daniel Berckmans asks Baoming Li.

*Secretary of Section II: Eberhard Hartung;
Minutes by Daniel Berckmans*

CIGR Working Group on 'Rural Landscape Protection and Valorisation'

Mission Statement:

Landscape is about the relationship between people and place. Human impact on the place changes the landscape. In the past, the rural landscape has been mostly influenced by farmers and landowners. Now, the landscape has more urban influences. The rural cultural landscape which is a product of environmental conditions and land use is vanishing. Rural landscape protection and valorization are needed. Rural landscape protection and valorization should integrate natural conservation, farmland retention, historic preservation and so on. Rural landscape protection and valorization should be linked to the social and economic needs. Rural landscape protection and valorization should be sustainable. The



Dr. Ken Ohno

mission of this working group is to have intensive discussions on the question of how research might support rural landscape protection and valorization. A common understanding that can be shared and that generalizes the issue of the development of future rural landscapes is expected.

Objectives:

The objectives of this Working Group are to promote rural landscape protection, to lead the cultural diversity in rural landscape and to valorize rural landscape. It also aims to organize international co-operation on rural landscape issues is also aimed.

Scope:

This Working Group concerns outstanding rural landscapes as well as everyday or degraded landscapes.

Program of Activities:

This Working Group is a new one. The program of activities is not yet decided. I hope many researchers interested in rural landscape will take part in this Working Group. Please contact me.

Dr. Ken Ohno
Chairperson of Working Group
Department of Bioresources, Mie University
Tel: +81-59-231-9584
Fax: +81-59-231-9591
E-mail: oono@bio.mie-u.ac.jp

CIGR Working group on 'Image Analysis for Agricultural Processes and Products'

Mission Statement:

The mission of this Working Group is to carry out interdisciplinary, co-operative studies and research on the use of image analysis and other optical tools in agricultural processes, together and through the existing CIGR Sections.

Objectives:

To develop objective, sensitive, and reliable optically based tools for receiving analytical data in a non-destructive way, in order to meet recent demands on



Prof. Enrique Molto

process monitoring in agricultural production, during storage and processing of raw material.

Scope:

The scope of this working group is to develop tools for image or spectral acquisition and analysis of optical data related, but not restricted to:

- terrestrial and aerial mapping of natural resources;
- non-destructive, on-site inspection of product properties and quality control;
- crop monitoring, precision agriculture, precision horticulture and automatic guidance;
- livestock farming (both on and off farm applications);
- classification in processing lines; and
- robotics or any other process automation.

Program of Activities:

The kick-off meeting was held during the 2nd International Conference in Brazil in August 2008. Since then, our efforts have been focused in establishing a web site and getting researchers involved by sending emails to potential members (individuals, associations, enterprises, etc.) announcing the creation of the Working Group and inviting them to join it. At the present time, more than 30 researchers have subscribed from different continents and this number is increasing steadily. The subsequent steps will be:

- to provide a more detailed specification of the objectives, tasks and activities for the Working Group depending on the current members' interests (December 2008-January 2009) and to identify synergies between the members;
- to launch preliminary activities such as the creation of image and spectra databases, the definition of ring tests, and starting up of links with industry, etc.
- to organize and celebrate the 1st International Workshop on Computer Image Analysis in Agriculture in Germany (August 2009). Web page:
<http://www.atb-potsdam.de/CIGR-ImageAnalysis/workshop09.htm>

Prof. Enrique Molto
Chairperson of Working Group
IVIA
(Instituto Valenciano de Investigaciones Agrarias), Ctra.
Tel: +34 963 424 051/000
Fax: +34 963 424 001
E-mail: molto@ivia.es

4. CIGR CO-SPONSORED ACTIVITIES

International CIGR Section V Symposium

**Technology and Management to Increase the
Efficiency in Sustainable Agricultural Systems**
Rosario, Argentina, 1-4 September 2009
<http://www.cadir2009.unr.edu.ar/inicio.php>

The CIGR Section V in cooperation with INTA and the National University of Rosario is organizing the CIGR V Conference in Rosario, Argentina from 1-4 September 2009. Rosario is the second largest city in Argentina and it is

located on the western bank of the Paraná river, 300 km north west of Buenos Aires, in the core of the grain production region of Argentina. In the Rosario area are located the most important grain shipping terminals of the country.

This important event will take place at the same place and time as the X Argentine Rural Engineering Congress and II of the Mercosur (CADIR).

The objectives of the conference are to highlight the latest developments in technology and management to ensure sustainable agriculture systems and to promote the exchange of knowledge and experience among scientists, technicians, producers and students, with sharing of views among people

from the northern and southern hemispheres. The aim of the Conference is to improve the efficiency of sustainable agricultural systems from different viewpoints.

Efficiency relies on a better use of a factor, maximizing the output obtainable per unit of product used. A better, sustainable use of resources could be achieved with new technology. Also the latest management techniques allows efficiency increases and savings in energy, manpower and costs with an increase in the competitiveness and the sustainability of agriculture in the global and local economy.

The main topics will cover:

Efficiency in Harvest and Postharvest Operations - Innovation in post-harvest technology, Harvest and transport, Drying and processing crops, Forage and Biomass harvest, storage and transportation, Food security, Traceability, Energy savings, Applied technologies, Future challenges.

Management Techniques and Information Technology - Agricultural system modeling, Supply chain management, Logistics, Decision support system, Work efficiency, Management tools for agricultural systems, Web services, Applied technology, Future challenges.

Efficiency in Field Operations - Tractors, Tillage & Seeding, Fertilizing, Plant protection, Irrigation, Biomass production, Waste management, Energy savings, Precision farming, Remote sensing, Sensors, Automation, Guidance, Robotics, Future challenges.

Livestock Management - Feeding, Milking, RFID, Traceability, Logistics, Management in livestock operations, Applied technology, Future challenges.

Papers will be accepted in English. The participants in the CIGR conference can also assist with the CADIR sponsored sessions. *Simultaneous translation Spanish/English* will be provided for all the technical sessions during the conference.

Important dates

31 March, 2009 – Abstract and preliminary registration

24 April, 2009 - Session organizers to notify authors of proposal acceptance

15 June, 2009 - Full papers due to the organizers

15 July, 2009 - Presenter/Author Registration Deadline

1-4 September, 2009 - CADIR and CIGR V Conference

For more information:

Prof. Pietro Piccarolo, CIGR V President, Chair of the Conference, pietro.piccarolo@unito.it

Dr. Ricardo Bartosik, Postcosecha de Granos, INTA, Argentina, rbartosik@balcarce.inta.gov.ar

Prof. Remigio Berruto, DEIAFA, University of Turin, Italy, remigio.berruto@unito.it

*Prof. Pietro Piccarolo
Chairperson of Section V*

WCCA 2009– World Congress on Computers in Agriculture 22- 24 June 2009, Reno, Nevada, USA <http://www.wcca2009.org>

The 7th World Congress of Computers in Agriculture and Natural Resources (WCCA) will be held in Reno, Nevada, from 22nd through the 24th June 2009. The congress will be held at the Grand Sierra Resort concurrently with the ASABE International Conference.

WCCA is a collaborative effort among agricultural information technology associations worldwide.

Coordination of this event is done in cooperation with CIGR Section VII. This congress provides a forum for agriculture related professionals to exchange information on applications and developments in the use of Information Technologies. It covers a wide array of topics. These include new applications of well established and understood technologies to innovative and entrepreneurial applications of emerging technologies, in addition to issues related to policy and knowledge dissemination. Contributions from various countries will allow a broadened perspective for all attending.

Important dates:

Abstract submission deadline: January 16th , 2009

Notification of Acceptance: February 25th , 2009

Opening of registration web site: February 25th , 2009

Early registration deadline: April 28th, 2009

Full paper submission deadline: April 28th, 2009

Registration deadline for authors: April 28th, 2009

Final program announcement: May 6th, 2009

Conference WCCA2009: June 22nd-24th , 2009

Scientific Program Committee : Chair, Prof. Fedro Zazueta

Organizing Committee: Chair, Prof. Jiannong Xin

2nd International Conference FRIAR 2010 on Flood Recovery, Innovation and Response from 25 to 27 May 2010, Milan, Italy

The Conference, organised by the University and the Polytechnic of Milan, Italy, the Wessex Institute of Technology and the University of Wolverhampton, UK, with the co-sponsorship of CIGR, EurAgEng and ICID, and the support of the Lombardy Region, will be held in **Milan from 25 to 27 May 2010**. The Conference, which follows the success of the first meeting held at the Institute of Civil Engineers in London in 2008, aims to improve our understanding of flood events, including risk management and mitigation as well as emergency response and other related issues.

The scientific programme of FRIAR 2010 will include an Opening Session, oral and special Sessions on the following topics :

- Flood risk analysis and vulnerability assessment
- Flood risk management and mitigation
- Flood defence methods
- Urban flood management
- Flash floods
- Coastal flooding
- Flood case studies
- Integrated catchment management
- Risk assessment and decision making
- Rehabilitation and restoration
- Innovation in building and infrastructure resilience
- Early warning and emergency systems
- Public perception of floods
- Financial and insuring issues
- Health and social aspects of flooding

The language of the Conference will be English. For further information look up www.wessex.ac.uk/conferences.

Prof. Daniele De Wrachien

*Co-Chairman of the Conference
Member, Executive Board CIGR*

**3rd International Conference
DEBRIS FLOW 2010
from 26 to 28 May 2010, Milan, Italy**

The Conference, organised by the University of Milan, Italy and the Wessex Institute of Technology, UK, with the co-sponsorship of CIGR and EurAgEng and the support of the Lombardy Region, will be held in **Milan from 26 to 28 May 2010**.

The Conference will provide a forum for engineers, scientists and managers from laboratories, industries, governments and academia to interchange knowledge and expertise in the fields of erosion and slope instability, sediment transport, debris flow and debris flood data acquisition, debris flow phenomenology and laboratory tests, using the most advanced, state-of-the-art methodologies in monitoring, modelling, mechanics, hazard prediction and risk assessment. This Conference follows the success of the first two meetings held in Rhodes, Greece (2006) and New Forest, UK (2008).

The scientific programme of Debris Flow 2010 will include

an Opening Session, oral and special sessions on the following topics:

- Debris flow modelling
- Debris flow phenomenology
- Debris flow triggering
- Debris flow disaster mitigation
- Debris flow rheology and laboratory tests
- Landslide phenomena
- Debris and hyper-concentrated flows
- Structures and their effects on debris flow
- Active and passive disaster management
- Risk assessment
- Mapping and vulnerability
- Cut and shape failure
- Sediment sources
- Structural and non-structural measures
- Field tests

The language of the Conference will be English. For further information please look up www.wessex.ac.uk/conferences.

*Prof. Daniele De Wrachien
Co-Chairman of the Conference*

5. OTHER ACTIVITIES

**Invitation of the next Annual Meeting
for the OECD Standard Codes for the
Official Testing of Agricultural and
Forestry Tractors
24-25 February 2009 in Paris, France**

We have the honour to inform you that the next Annual Meeting of the Representatives of the National Designated Authorities for the OECD Standard Codes for the Official Testing of Agricultural and Forestry Tractors will be held on 24-25 February 2009 in Paris. The venue will be:

OECD Headquarters

2 rue André Pascal, 75016 Paris – France

In view of your organisation's interest in the themes to be discussed, we have pleasure in inviting you to nominate a representative to attend this meeting.

The Annual Meeting will be held from 24 February (10:00 a.m.) to 25 February 2008 (18:00 p.m.).

Documents for adoption at the Meeting should be sent to the Secretariat at the latest by 16 January 2008.

Contacts: Michael.Ryan@oecd.org Anne.Duval@oecd.org

The agenda is also available on the OECD website (www.oecd.org/tad/tractor).

For information on hotels and logistics, please go to the following link:

www.oecd.org/conferencecentre (English)

www.oecd.org/centredeconferences (French)

Ken Ash

Deputy Director,

Directorate for Food, Agriculture and Fisheries, OECD,

Isabelle Braud

OECD Agricultural Codes and Schemes

E.mail: isabelle.braud@oecd.org

**AGROCENTRO'09
the IV Conference on Agricultural
Development and Sustainability,
22-24 April 2009, Santa Clara, Cuba
<http://www.agronet.uclv.edu.cu/agrocentro2009>**

The Dean of the Faculty of Agricultural Sciences and the Organizing Committee are pleased to invite you to the IV Conference on Agricultural Development and Sustainability to be held at the Central University of Las Villas, from 22-24 April 2009, where several symposia and workshops related with the agricultural updating in Cuba and the world will be accomplished.

- * X Symposium of Plant Protection
- * IV Symposium of Agronomy
- * IV Symposium of Veterinary Medicine and Livestock
- * IV Symposium of Agricultural Engineering
- * III Symposium of Agricultural High Education
- * I Symposium of Processes and Rural Development

Our institution will be honored with your attendance.

Looking forward to meet you in the conference, Sincerely,

Important Dates:

Until 1 Jan. 2009: Summaries reception.

Until 1 Feb. 2009: Acceptance notification.

Until 1 Mar. 2009: Complete works reception.

Dr. C. Miguel Herrera Suárez (PhD)

Profesor Titular

Departamento de Ing. Agrícola

Facultad de Ciencias Agropecuarias

Universidad Central de las Villas.

E-mail: miguelhs@uclv.edu.cu

6. PUBLICATIONS

CIGR Ejournal Status Report December, 2008

Since the last report (NL No. 81 August 2008) 21 original research papers have been published. You can read and print them at cigr-ejournal.tamu.edu

CIGR has implemented the Open Journal System (OJS) for managing the Ejournal and to improve record keeping. We now have 81 new submissions in OJS since early September, 2008. To submit a manuscript authors must register in OJS (no charge).

The procedure for registering is as follows:

---go to the OJS website at www.cigrjournal.org

---you will see a screen entitled "CIGREjournal"

---select "Register"

---complete the "Profile" form, select a user name and password

---I suggest that you check all four boxes (confirmation email, reader, author, reviewer) Under reviewer you should define your area of expertise by inserting several keywords. These

will be used to match you with manuscripts in your area of expertise. I urge all of you to register---The Ejournal needs your support.

Useful links for authors and reviewers:

http://cigr-ejournal.tamu.edu/submission_instructions.html

http://cigr-ejournal.tamu.edu/review_process.html

And note that [submission_instructions](#) and [review_process](#) both have underlines between the two words.

As announced in NL No. 82, I will soon retire as Editor-in-Chief and volunteers who are interested in serving our profession as Editor of the Ejournal are asked to contact the Incoming President of CIGR soeren.pedersen@agrsci.dk We have about 35 manuscripts under review using the old manual system and I plan to continue handling them until all are processed. All new submissions will be handled in OJS.

Dr. Bill A. Stout
Editor-in-Chief, CIGR Ejournal
And Honorary President of CIGR

CIGR Section Boards (Elected in September 2006, updated in September 2008)

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>Post-harvest Technology and Process Engineering</i>	(Chair: Jozef Grochowicz [Poland])
Section VII:	<i>Information Systems</i>	(Chair: Antonio Saraiva [Brazil])

All correspondence and information on forthcoming activities should be sent to
The CIGR General Secretariat
Professor Dr. Emeritus Takaaki Maekawa, Secretary General

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