



International Commission of Agricultural and Biosystems Engineering

CIGR

Newsletter Quarterly

**Newsletter No. 91
December 2010**

*Since 1930
80 Years of CIGR*

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Commission Internationale du Génie Rural (CIGR)

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

1. CIGR NEWS

Message from the President

We are near the end of the presidium period 2009-2010, which also is the end of my time as president. This has for me been a fruitful time with many excellent activities. Here I will only mention the CIGR Congress in Quebec 2010, held in cooperation with the Canadian organizations and the local organizers. The congress contained activities related to all seven CIGR sections and it is



President Søren Pedersen

my impression that the congress was structured in such a way that it also could be considered as a number of parallel symposiums, where participants at the same time could benefit of the of traditional symposium efficiency and the possibility for expanding their CIGR perspectives. For me personally 2009-2010 has also been the highlight of 35 years involvement in CIGR. It all began with an invitation I 1976 to take part of a working group on "Climatization of Animal Houses". This involvement has from the first yearly meeting told me that input in CIGR work is paid multiple back in respect to professional and friendly international engagement. It is my hope that today's leaders are aware of this possibility for personal development, and encourage young scientists to take part of the CIGR work, despite a time where research is financial very much project driven.

From the first of January 2011 Professor Fedro Zazueta, Florida will take over as president and Professor Da-Wen Sun, Ireland as Incoming President. As Past President I am looking forward to the next two years work in the presidium and other CIGR activities. As shown elsewhere in this Newsletter, CIGR will have a number of symposiums and other activities in 2011 and 2012. The next big CIGR event will be the III CIGR International Conference to be held in Valencia in Spain 8-12 July 2012 in cooperation with EurAgEng and local Spanish organizers. In some way there

is a long time to this conference, but in fact it is already time to think about participation and presentations for this event. One of the big issues for the CIGR Presidium has been to find a good future solution for the CIGR Journal, since the founder of the EJournal professor Bill Stout and editor-in-chief of the Journal over many years, announced that he wished to be relieved from the job. We are thankful to all the work Professor Bill Stout has dedicated to the journal. Also thanks professor Fedro Zazueta who in a transition period took over as Editor-in-Chief, until Dr. Wang Yingkuan, China was elected as Editor-in-Chief. I am confident that the Journal will continue to develop in a good way as the CIGR Journal. We welcome Wang Yingkuan as the Editor.

It is also the time to say goodbye and thanks to Professor Irenilza, who leave the presidium and who has really put Latin America on the CIGR map. Irenilza has been active over a long time, especially with CIGR Section II activities, where I met her many years ago. It is also worth mentioning that Irenilza has been the first female president in a former male dominated CIGR World.

The CIGR Secretariat has since 2006 been in Japan. Over a four years term 2006 – 2009 Professor Takaaki Maekawa, University of Tsukuba, Japan had been the Secretary General. January 1 2010 Toshinori Kimura from Hokkaido University, Japan took over as Secretary General. The Secretary General performs a key work for CIGR, with many functions and I am thankful to both former Secretary General Takaaki Maekawa and the present Secretary General Toshinori Kimura for a close cooperation during my presidency.

Thanks to all who have contributed to move CIGR forward in my presidency period 2009 and 2010 and I hope 2011 will be good year for CIGR and worldwide.

*Prof. Søren Pedersen
President of CIGR*

Farewell letter from the Past President

Dear colleagues and friends,

With the conclusion of my term as member of the CIGR Presidium I'd like to thank you all for your support over the past six years. During those years CIGR has been consolidating as a leading organization and now counts with representatives from 99 countries from all continents. We also had for the first time an International CIGR Conference in South America, which took place in Brazil.



Prof. Irenilza de Alencar Nääs

Being member of the CIGR presidium has been a wonderful experience, and I might say that the accomplishments I had during my presidency wouldn't be possible without the hard work and dedication of a number people. In particular I'd like to thank Professor Takaaki Maekawa, our former secretary, for his tireless work in helping organizing the activities and taking care of all the administration behind the scenes.

My special thanks to Søren Pedersen and Fedro Zazueta for all support and encouragement over my term, and to all the Executive Board Members for their time, help and advice.

Most importantly, my thanks go out to you, the Country Members representatives for all your support. It was very nice to meeting some of you during the XVII CIGR World Congress 2010, in Quebec, Canada, and celebrate together

the 80th anniversary of CIGR. During the last years I had the opportunity to visit most of you, and I am sure that with your efforts the CIGR will continue to grow in numbers and develop the links culturally and technically to the mutual benefit of us all.

I wish success to the new CIGR Presidium and Board members and hope to see you soon.

Yours sincerely,

*Prof. Irenilza de Alencar Nääs
Past President of CIGR*

Message from the Incoming President

We are today living in unprecedented times. We exist in a global community where economic production has never been as high, and where cultural diversity is appreciated and encouraged. We live in a time when the human lifespan has never been longer in our history as a species, a time when food production has never been as large in absolute terms, a time when health related technologies and services have never been so advanced, a time when our understanding of nature through scientific discovery has never been so great.



Prof. Fedro Zazueta

However, regardless of all our past successes as a human species, we have never faced problems of the magnitude that we are facing now: more people than ever, in absolute terms, go hungry or are undernourished today that at any other time in history; never have we had the number of people that we have today suffering from curable diseases; never have we had the number of people we have today without adequate clothing and shelter; and never before in our history as a species, have we, ourselves, become such a threat to ourselves and this spaceship we call Planet Earth.

The challenges before us are great, but within these challenges lay opportunities for our profession to make significant and long lasting contributions to human society. We, and the dedicated professionals that came before us, as agricultural and biosystems engineers have faced challenges in the past and, have made contributions through ingenuity and hard work, to solve these problems and improve the quality of life of our fellow men and women. We have done this through the persistent application of scientific principles to the development of effective and economical solutions for what seemed at times to be overwhelming problems.

We saw in the first half of the 20th century how engineering--through its contributions to mechanization of labor in farm production, rural electrification, and transportation--transformed agriculture which allowed a small number of farmers to produce enough to satisfy the needs of a large population. The increases in productivity resulting directly from the work of engineers were responsible for liberating a workforce which then could be dedicated to building an industrial society. During the second half of the 20th century new and improved technologies to manage farm inputs, natural resources, and all processes from the field to the consumer, resulted in increased agricultural diversity and productivity.

Today as our societies continue to evolve, the rate at which natural resources are used is an issue in itself that is stressing them beyond their capacity to regenerate. It is within this

domain, amongst others, that we are faced as a profession with the challenge of providing solutions which address the immediate problems facing society, solutions which are in tune with nature, and ensure a reasonable quality of life for all generations to come. While these problems are complex and involve many interrelated factors, engineering science and technology will be an important contributor to their resolution.

Scientific advancements have been translated by engineers to practical systems that improve the lives of our citizens. Today, we are the beneficiaries of scientific discovery and technological development which took place during the 1950's. Namely, the invention of the digital computer, the discovery of the double helix, and the launch of the Sputnik satellite were watershed events that led to profound transformations in our profession.

The discovery of the double helix led into a series of innovations and changes which resulted in the "bio" prefix in many engineering disciplines, for example biotechnology, biostatistics, and bioinformatics. More importantly, our understanding of Biology increased to the point where it became in many ways quantifiable, leading directly to its application in engineering and transforming our profession into agricultural and biological engineering or biosystems engineering. Biology as a science came to enrich the tool set and the problem solving capacity of the engineer by complementing our knowledge of Physics, Chemistry and Mathematics.

The invention of the digital computer and the development of networking and satellite technologies, were important contributors to our contemporary information and communication technology. The application of powerful computational tools, and information and communication technologies, in turn created many opportunities for discovery and development of new tools and techniques. This had a direct impact on many of the disciplines and specialties in our domain.

We are about to see Biology and Information and Communication Technology converge. This will create a new set of tools and opportunities for us to contribute to the solution of our world's problems. In addition, developments in brain science, materials science, energy, nanotechnology and further developments in genetics are likely to have a profound influence on our profession.

Regardless of how elaborate and sophisticated contemporary and future technologies are, and what our personal interests are and drive to use the latest technology is, more than ever we need to apply our traditional set of skills in combination with our new skills to focus on the ultimate goal, which is to improve the quality of life for those we serve. This is particularly true for those communities across the globe that are under duress.

With engineering science and technology, education is an area where CIGR can make an important contribution. CIGR is a forum where scientists and engineers meet to define problems, propose and discuss ideas, where many of the solutions to our contemporary problems are engendered and shared. A focus on education will further improve CIGR's reach to all areas where engineering science and

technology can be a contributor to improving the human condition.

I'm looking forward to continue working with you.

*Prof. Fedro Zazueta
Incoming President of CIGR*

Reports and Announcements from the Secretary General

1. Minutes of the 64th Executive Board Meeting

The Minutes of the 64th CIGR Executive Board Meeting held on 30 (Sun) August 2009 at Mercure Hotel, Potsdam City, Germany was approved by the 65th CIGR Executive Board Meeting which was held on 12 (Sat) June 2010 at Hilton Quebec City, Quebec, Canada. The details are shown in page 4 to 6 of this newsletter.

2. The final composition of the CIGR Section Board for 2011-2014

The final composition list of Section Boards that some adjustments were made to after the CIGR General Assembly at Quebec on 15 (Tue) June was confirmed by all the Section Chairs as shown in page 6 to 7.

3. CIGR business meeting schedules in 2011 and 2012

The PM decided the business meeting schedule for years 2011 and 2012 as below;

- In 2011, next Presidium Meeting: 18 April on the occasion of 6th Int. Symposium organized by the CIGR Section 6 at Nantes, France.
Meetings of PM, EB, TB, and etc: 19 September on the occasion of CIGR International Symposium 2011 (WEF2011) at Tokyo, Japan (refer to its announcement in this newsletter).
- In 2012, all the CIGR business meetings including the General Assembly will be held at Valencia, Spain during the period of the 3rd CIGR International Conference in July 2012.

4. Candidate nominations of the XIX CIGR World Congress in 2018 and the General Secretariat from 2014 are now open

- 1) Request to parties interested in organizing the XIX CIGR World Congress in 2018

The CIGR World Congress is held every four years to convene Agricultural and Biosystems Engineers and associated professionals from all parts of the world. At this time the CIGR Presidium is soliciting a letter of interest by those parties interested in hosting the XIX CIGR World Congress in 2018.

The next congress will be held on 16-19 September 2014 at Beijing, China.

- 2) Request to parties interested in servicing as General Secretariat from 2014

The present CIGR General Secretariat at Hokkaido University, Japan will complete the duty in the end of 2013. The CIGR Presidium is welcoming the proposals from those parties interested in undertaking the secretariat from 2014. The period of the duty is for 4, 8 or more years, more than 8 years is preferable.

*Prof. Toshinori Kimura
Secretary General of CIGR*

Minutes of 64th Executive Board Meeting

Presented: President Søren Pedersen, Incoming President Fedro Zazueta, Secretary-General Takaaki Maekawa, Prof. Vilas M. Salokhe (AAAE), Dr. Yohei Sato (Japan), Prof. Shujun Li (China), Dr. Digvir Jayas (Canada, replacement of Dr. Stephane Godbout) Prof. Da-Wen Sun (Co-opted), Prof. Peter Schulze Lammers (Co-opted), Mr. Yoshisuke Kishida (Co-opted)

Observer: Prof. Toshinori Kimura (Next Secretary-General)

Excused: Past President Irenilza de Alencar Nääs, Prof. Jiannong Xin (ASABE), Prof. Daniele De Wrachien (EurAgEng), Prof. Omar Ulloa (ALIA), Prof. Emeritus Bill Stout (Co-opted)

Absent: Prof. Oleg Marchenko (EAAAE), Prof. Marcos Folegatti (Brazil), Prof. El Houssine Bartali (Arabian Country)

1. Welcome and Roll Call

The CIGR President welcomed the members and observer, and thanked them for attending the meeting.

2. Adoption of the Agenda

The agenda was adopted unanimously.

3. Approval of Minutes of the 63rd Executive Board Meeting of CIGR

The Minute of 63rd Executive Board Meeting was approved without corrections.

4. Activity Reports from the Presidium Members:

a) The President

The President asked the candidate of CIGR's next Incoming President, Prof. Da-Wen Sun will be recommended for the election of 2010 vote. All participated members of EB agreed with his recommendation.

The President informed about the CIGR World Congress 2010, Quebec, Canada, and CIGR made sure of paying the levies. It was accepted by the organizing committee of the World Congress 2010 in Canada that the amount of levies is 20 USD per full participant (Annex 2).

The President briefly reported on his activities, including his attendance at the CIOSTA 2009 held in Reggio Calabria, Italy (Annex 3).

The President reported on the recruitment of EJournal Editor-in-Chief by the letter of Professor Emeritus Dr. Bill Stout. He recommended implementing the plan for China to host the EJournal.

The President explained the short name about which the e-mail was sent to the Section Chairs by the President on 23 July, 2009 (Annex 4).

The President proposed the 4th CIGR International Conference 2016 will be held on June in Aarhus, Denmark, which will be joint conference with EurAgEng. The main themes are Robotics, Environment and Food Safety (Annex 5-1, 5-2).

Revision of the CIGR Awards and Prizes system, and related rules was not discussed in the Presidium in Chile because Past President Irenilza A. Nääs did not attend. The president explained the meaning of renewal the CIGR Awards and Prizes system (Annex 6-1, 6-2). The Executive Board approved this revision. These revised rules will be applied for the CIGR Congress 2010, Quebec, Canada.

b) General Secretariat

The Secretary General introduced a new SG Prof. Toshinori Kimura. His tenure will be from 1 January 2010 to 31 December 2013. The General Secretariat will be established at the Hokkaido University, Sapporo, Japan.

The SG described that the schedule of a call for the nominations for the EB and SB members will be announced in the Newsletter No.88.

Two titles of the Newsletter were issued as Nos. 85 and 86, respectively. The General Secretariat Office in Tsukuba will issue Nos. 87 and 88. Seven hundred copies per issue were printed and distributed to the CIGR members, including the Presidium, Executive Board, and Technical Board members. We reached the consensus that the conference and symposium proceedings should not be included in the CIGR Ejournal. (Annex 7).

The SG stated that CIGR and Canadian local organizing committee agreed about the levies of CIGR World Congress 2010 in Quebec and they decided the CSBE/SCGAB will transfer 20USD per full participant to the CIGR Secretariat (Annex 2).

The SG explained the CIGR Budget, Accounting and Financial state (Annex 8-1 and 8-2). The net positive in 2008 was lower than that of 2007. The balance sheet of 2008 was positive, which was approved by the auditors (2006-2009) on 28 August 2009.

The SG explained about policy of 'Sponsor' and 'Co-sponsor' based on the table of Annex 9. The policy was approval except of 'Co-Sponsor'. 'Co-Sponsor' was revised to 'Support'.

The SG proposed an application form for Personal Individual membership, which was also discussed at the PM in Chile. However, it was suspended because of the discussion on whether or not to charge a membership fee (Annex 10).

The SG informed about the Annual meeting of the Club of Bologna, Hannover, Germany on Sunday 8 November, which was held at the end of the 67th Conference Landtechnik-AgEng 2009 (6-7 November) and before the Agritechnica 2009 Exhibition (10-14 November) (Annex11).

The SG proposed to hold the next PM by using Skype in November. This proposal was approved. Also, new page of CIGR announcement by Secretariat in the CIGR website was approved unanimously.

c) The Past President

As Past President Irenilza A.Nääs was absent, the revision of the CIGR Award System and related rules was reported by President Professor Pedersen (Annex 6-1, 6-2).

The EB discussed the approval of the revised CIGR Awards and Prizes System proposed by PM. The proposal was approved.

d) The Incoming President

The Incoming President Fedro Zazueta as Editor-in-Chief of CIGR EJournal described the EJournal system would be moved into the automated journal management system OJS and showed the statistics for the CIGR EJournal since beginning of this year (Annex 13).

The follow-up letter of the Thomson Scientific ISI data base was sent by the name of President Soren Pedersen, and showed the official name of EJournal as follow (Annex 14);

Agricultural Engineering International: The CIGR Journal of Scientific Research and Development

EJournal policy such as originality and progressed research results etc. was discussed and we decided to separate the way of publishing the EJournal and the proceeding papers of congress, conference and symposium.

CIGR IT Service Policy was proposed by Incoming President Prof. Fedro Zazueta. This will need to be discussed by the EB and TB members.

5. CIGR Bodies

a) Auditors

Mr. Yoshisuke Kishida reported the auditing results of the balance and the budget from 1 January to 31 December 2008 had been approved by the auditors, Mr. Kishida, and Prof. Josse de Baerdemaeker as representatives of the three CIGR Auditors (Annex 17). The auditing results were approved without any correction.

CIGR 2008 expenditure accounting was reported by the SG. Also, CIGR budget of 2009 year and 2010 year were reported (Annex 8-1).

The auditing results in 2008 expenditure accounting and budget of 2009 year and 2010 year were approved without corrections.

b) National and Regional Member Societies

The SG spoke about the revised list of the National and Regional Member Societies (Annex 18).

The SG indicated that National and Regional Member societies including Corporate Members are issued on the CIGR website and it is needed to update by the cooperation of CIGR members.

c) Sections

The SG informed that the reports of the Section Boards I-VII had already been published in the CIGR NL 83.

d) Working Groups

Prof. Da-Wen Sun, as a coordinator of the WGs, reported a summary of recent activities of CIGR Working Group except of WG of Rural Development and Preservation of Cultural Heritage.

6. CIGR Information and Communication System

a) EJournal

Incoming President Prof. Fedro Zazueta as the Editor-in-Chief reported on the activities of issuing CIGR EJournal including changing to new editing system OJS and the communication of Thomson Scientific database (ISI) (Annex 13, 14).

b) CIGR Handbook

The SG informed the selling balance of CIGR Handbook between January and June 2009.

c) Newsletter

The Presidium decided that the fee for translations from English to other languages will not be paid and that the translation will be done on a voluntary basis.

d) Website

A short report of the EB meeting in Brazil in 2008 has been issued on the CIGR Newsletter No. 83 and CIGR Website.

e) Representatives of CIGR with ISO (Annex 16-1, 16-2)

CIGR was regarded as a member of liaison of ISO. We decided to send Mr. Yoshisuke Kishida to the next plenary meeting of ISO/TC 190 held on 2-6 November 2009 in Seoul, Korea, as a representative of CIGR (Annex 22).

CIGR received the invitation to the 137th Session of the FAO Council which will be held in Rome, 28 September - 2 October 2009. EB decided to send Prof. Da-Wen Sun as a representative of CIGR (Annex 23).

CIGR representative, Prof. Oleg Marchenko had attended the annual meeting of the representatives of the national designated authorities of the OECD Tractor Codes held on 24-25 February, 2009 in Paris, France. The report will be issued on CIGR Newsletter No. 87 (Annex 24).

7. Congresses and Conferences

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

Dr. Digvir Jayas replaced Dr. Stephane Godbout explained the details in EB meeting.

The SG described the preparations for the General Assembly in the CIGR World Congress 2010 were as follows:

1) Elections

- (1) Next Incoming president was approved by Executive Board meeting
- (2) The election announcement on the election of Executive Board and Section Board members for the next term 2010-2013 would be issued CIGR Newsletter 87 and 88.

2) Awarding

Call for the candidates of the awardees by the awarding committee (refer Annex 6-1, 6-2)

b) The XVIII CIGR World Congress 2014, 16-19 September Beijing, China

Prof. Shujun Li explained the details in the EB meeting.

c) Candidate for the 3rd International Conference 2012, Valencia 8–12 July 2012

The proposal of the 3rd International Conference 2012 by the Spanish Society of Agricultural Engineering in collaboration with EurAgEng was approved.

d) Other Conferences sponsored by the CIGR

The CIGR International Symposium, 19–23 September 2011 held in Tokyo was described (Annex 17).

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

8. Membership

The SG proposed application form of Personal Individual membership which was also discussed at the PM in Chile. It was suspended because of the problem whether the membership should pay the fee or not (Annex 10).

9. Miscellaneous

New CIGR supported events were as follows;

1) PAWEES 2009

International Conference on Promising Practices for the Development of Sustainable Paddy Fields, 7-9 October 2009, Bogor, Indonesia. (This conference is an annual event of the International Society of Paddy and Water Environment Engineering (PAWEES))

2) 2nd International Conference on Machine Control & Guidance, 9-11 March, 2010, Bonn, Germany.

3) 4th International Scientific Conference TAE 2010 (Trends in Agricultural Engineering), 7-10 September 2010, Prague, Czech Republic.

10. Dates and Locations of next Presidium, GA, EB, TB Meetings and Section Boards Meetings (Tentative)

- 1) The Internet PM using Skype will be held in November 2009.
- 2) Presidium, EB, TB, SB and GA meetings are to be held on the XVII CIGR World Congress 2010 on 13-17 June 2010, Québec, Canada.
- 3) PM will be held on 4th International Scientific Conference TAE 2010 (Trends in Agricultural Engineering), 7-10 September 2010, Prague, Czech Republic.

The meeting ended at 17:00

Prof. Søren Pedersen

President of CIGR

Prof. Emeritus Takaaki Maekawa

Secretary-General

Composition of the CIGR Section Board for 2011-2014

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

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

CIGR World Congresses and Internatinal Conferences, 2012–2016

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

EurAgEng and CIGR will celebrate a joint International Conference on Agricultural Engineering on July 8th to 11th, 2012 at the Valencia Conference Centre. The Conference will cover emerging research, current problems and new engineering solutions for addressing food production and rural activities as a means to enhance human well-being and promote social development. New concerns include new methods of agricultural and forestry production, and the preservation of natural resources and landscape by applying modern engineering concepts. A Healthier production needs to encompass higher social and economic benefits.

The CIGR-AgEng2012 Conference is addressed to academia, industry, producers, manufacturers and service providers from all over the world for discussion about novel approaches to integrate agriculture and engineering for enhancing the quality and expectance of life.

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

Relevant Information and Contact

Official Conference Language: English

Agenda

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

Early Registration Price:

530 € for EurAgEng, ASABE and CIGR members.

590 € for non-members.

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

350 € for students

Scientific committee:

Based on CIGR and EurAgEng Sections and Working Groups.

Web page and Preliminary Registrataion

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

Contact

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

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

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

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

Call for papers:

The Congress will focus on the above-mentioned areas and contributions in those and the related areas are appreciated. Scientists, professors, practicing engineers, enterprises managers and students engaged in agricultural/biosystems engineering are encouraged to participate in this big event and are invited to submit paper proposals to the Congress. Detailed instructions for submitting abstracts will be in the 2nd announcement.

Preparation Office:

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

Prof. Lanfang ZHANG

International Cooperation Department

Chinese Academy of Agricultural Mechanization Sciences (CAAMS)

NO.1 Beishatan Beshengmen Wai Beijing 100083 China

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

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2. NEWS FROM REGIONAL AND NATIONAL SOCIETIES

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

**19-23 September 2011, Tokyo, JAPAN
<http://www.cigr2011.org/>**

Symposium objectives

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

Important Dates

- Submission of abstract: **17 Jan. 2010**
- Notification of acceptance, Registration site open: **1 Feb. 2010**
- Deadline for Draft Full Paper: **1 April 2011**
- Notification of Revision of Draft Paper: **1 June 2011**
- Deadline for Advance Rate Registration, Deadline for the final submission: **30 June 2011**

- Early registration due (papers can be included in the proceedings only after full payment of the registration fee): **1 July 2011**
- Final program announcement (Final decision for the inclusion of papers will be made based on the author's registration status on July 1, 2011.): **30 August 2011**
- Symposium: **19-23 September 2011**

Accommodations

Accommodation search: Tokyo Convention & Visitors Bureau: <http://tcvb.or.jp/en/stay/>

Vicinity hotel: Mizue Dai-Ichi Hotel

<http://www.mizue-dh.co.jp/english.html>

Secretariat office

Associate Prof. Dr. Yutaka Kitamura

(Vice Secretary of the Symposium)

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<http://www.cigr2011.org>

19 (Mon) Sept.	20 (Tue) Sept.	21 (Wed) Sept.		22 (Thu) Sept.	23 (Fri) Sept.
PRE-SYMPOSIUM EVENTS	SYMPOSIUM EXHIBITION	STUDY TOURS OPEN SESSIONS		SYMPOSIUM EXHIBITION	SYMPOSIUM EXHIBITION
From 9:00 -CIGR PM Business Meeting <i>Coffee Break</i> <i>Lunch</i> From 13:00 -Registration -CIGR EB Business Meeting <i>Coffee Break</i> From 16:00 -CIGR Technical Board -CIGR Section Board -CIGR Working Group From 18:00 -Welcome Party	From 9:00 -Opening Ceremony -Keynote Speech <i>Coffee Break</i> <i>Lunch</i> From 13:30 -Invited Speech <i>Coffee Break</i> From 15:30 -Open Extension Session From 17:30 -Various Meetings	From 8:00 -Excursion A. Tsukuba Science City B. Tokyo Downtown C. Nikko & Lake Chūzenji From 18:30 -Excursion D. Tokyo Bay Cruise		From 9:00 -Organized Sessions -Oral & Poster Session <i>Coffee Break</i> <i>Lunch</i> From 13:00 -Organized Sessions -Oral & Poster Session <i>Coffee Break</i> -Organized Sessions -Oral & Poster Session -Various Meetings From 18:00 -Banquet	From 9:00 -Organized Sessions -Oral & Poster Session <i>Coffee Break</i> <i>Lunch</i> From 13:00 -Closing Ceremony Post Congress Tour 24 (Sat) -Osaka-fu Univ. -Kyoto City 25 (Sun) -Kansai Intl. Airport

Report of AgEng2010:**Latest in the series of successful agricultural engineering conferences.**

Clermont-Ferrand, France welcomed over 450 delegates from 34 different countries around the world to AgEng2010. They enjoyed an interesting and lively conference in the volcanic Auvergne region of France. In total 385 scientific papers were presented (241 oral and 144 posters) in 49 sessions. There were wide ranging presentations on 14 different topics. Power and Machinery, Soil and Water and Animal Production Technology attracted the largest numbers of participants but Information Technology, Crop Protection and Fertilization were also well supported.

Two symposia on Ecotechs and Robotics preceded the conference with practical workshops and demonstrations at Montoldre, CEMAGREF's experimental station. Both attracted over 70 participants, many of whom continued to share their experiences at AgEng2010.

The Conference was organised on behalf of the European Society of Agricultural Engineers (EurAgEng), and the French Society of Engineers and Technicians in Mechanization and Agricultural Engineering (SitmaFGR), by CEMAGREF from 6-8th September 2010. CEMAGREF is the public environmental science and technology research institute of France. There were three plenary sessions with keynote speakers from industry and policy makers discussing future demands on agricultural engineering both within Europe and the wider world.

The Conference Dinner, a gastronomic experience held at Vulcania, up in the mountains surrounding

Clermont-Ferrand, was the occasion chosen by EurAgEng to honour its prize winners for 2010.

The prestigious Award of Merit went to M Jacques Burel, President of Sulky-Burel, one of the leading manufacturers of large width fertiliser spreaders, and based in France. Once again this Award has been given to an engineer who is incredibly enthusiastic about his work and an inspiration to all agricultural engineers.

The Innovation and Development Award, for a presentation on an innovative development and which must include commercial partners, went to E. Piron, D. Miclet, L. Leveillé, D. Clochard and S. Villette for their work on "Mineral spreader eco-design: method and real application examples".

Three teams of authors collected an Outstanding Paper Award from the editors of Biosystems Engineering, the EurAgEng Official Scientific Journal. They were chosen by the Editorial Board from a shortlist of ten papers submitted to Biosystems Engineering over the last two years. Congratulations went to T. Grift and C. Crespi, F. Dabbene, P. Gay and N. Sacco and E. S. Nadimi, H. T. Sogaard and T. Bak.

Prof Aad Jongebreur from The Netherlands, Prof George Papadakis from Greece, Prof Hermann Auernhammer from Germany and the organiser of the French conference, Emmanuel Hugo, were all honoured with the Society's Recognition Award for their efforts in leading and promoting EurAgEng.

There was also a tinge of sadness as Florentino Juste; outgoing President of EurAgEng collected a Recognition Award on behalf of his friend and colleague, Professor Francis Sevilla, who died in July. Francis had been an inaugural president of EurAgEng in 1992 and was Chairman of the Scientific Committee of AgEng2010 up until his death.

Sincere thanks from EurAgEng members and others attending the conference, go to the organising team from CEMAGREF, who have worked so hard to achieve another memorable conference.

Future conferences: Land.Technik AgEng2011, 11-12 November, Hannover, Germany

CIGR-AgEng2012, 8-12 July Valencia, Spain

3. NEWS FROM SECTIONS AND WORKING GROUPS

CIGR New Working Group on Food Safety

The CIGR Working Group on Food Safety, linked to the Section VI (Post-Harvest Technology and Process Engineering) has been formally launched in the CIGR World Conference in Quebec, in June 2010.

The Food Safety Working Group has the following missions: i) To Improve understanding of hazards and their risks and control measures along food production chains; ii) To enhance the scientific knowledge and contribute to technological advances for assuring food safety; iii) To better understand the consumer perception of risks and improve risk communication.

The following are the main objectives of the new working group: i) gathering, generating and disseminating information on predicting and monitoring the behaviour and fate of emerging biological and chemical hazards; ii) divulging advances on risk assessment and risk-benefit evaluation; iii) disseminating information on tools, preservation practices and processes to ensure safety along the food chain; iv) understanding and addressing consumer concerns with food safety issues.

Workshop: The activities planned for the Food Safety Working Group comprehends workshops; specific website and newsletters; session and panels within CIGR events. As the first activity the Workshop Food Safety: Advances and Trends will happen in Dijon, France, on the 14th and 15th April 2011, previously to the Section VI Symposium, to be held in Nantes (18th to 20th April). It will focus on Preservation processes; Hazard control and risk management and Food Safety Analyses.

<http://www.agrosupdijon.fr/research/workshop.html?L=1>

The chairs of the Working Group are:

Chair: Prof. Antonio Martinez

Vice-Director of the Instituto de Agroquímica y Tecnología de Alimentos, I.A.T.A., Avda. Agustín Escardino, 7 46980 Paterna (Valencia), Spain

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Vice Chair: Dr. Amauri Rosenthal

Brazilian Institute for Agricultural Research (EMBRAPA), Food Technology Research Centre

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CIGR Section III

"Equipment Engineering for Plant Production"

Minutes of the Board Meeting 13 June 2010 in Quebec, Canada

1. Meeting: The technical section met at the CIGR World Congress on 13 June 2010. Attending were Stanley Best (Chile), Daniel Marchal de Queiroz (Brazil), Noboru Noguchi (Japan), Neil McLaughlin (Canada), Antonio Mauro Saraiva (Brazil), and John K. Schueller (USA). Lengthy written comments were provided by Chee-Wan Chan (Malaysia), Hermann Auernhammer (Germany), and Francisco Rovira-Mas (Spain). Other section members sent shorter comments and/or regrets.

2. Mission Statement, Objectives, Scope, and Short Description: The section chose not to make any changes at this time, despite a short discussion of the Short Description.

3. Next Leaders Event: Based upon the very successful Next Leaders Event in November 2009, the section would like to have another such event in 2011. The next event will probably also be in conjunction with Agritechnica. The section will then consider whether to make such events recurring and whether to have them in the same format and location. Consideration will be given to whether to have a Next Leaders Event or a similar event with a more horticultural or a more tropical emphasis after 2011. The consensus was that the event in 2009 was excellent. But perhaps a focus and rationale should be developed by the section. It was suggested that the attendees should maybe make some small technical presentation or have a guided discussion on particular topics. The details will be decided by email communications between event leaders and board members.

4. Ejournal: Neil McLaughlin has taken over for Bill Chancellor as section editor of the ejournal. With the success of the journal, additional reviewers are needed. The Section III Chair will ask each of the section board members and other interested parties to suggest three or more potential reviewers from their country or region to add to the reviewer pool. Others who are interested in reviewing should contact Neil McLaughlin or John Schueller.

5. Multi-lingual dictionary: The section members are interested in there being a multi-lingual dictionary of technical terms relevant to the section. Section members will attempt to move this proposal forward. Additional help is now being solicited.

6. CIGR Handbook: The section board discussed the CIGR Handbook. Although some sections of the handbook are badly outdated, other sections are still useful and need to be available, particularly to users in the developing world. The section board suggests that there be some investigation of putting at least portions of it on-line. There could be open access to the material. Perhaps individual chapters could be done as pdf's and selected ones updated.

7. FAO: Contact was established with two members of the Rural Infrastructure and Agro-industries Division of FAO with the idea of future collaboration on projects, including the multi-lingual dictionary.

8. Board Membership: The new composition for the Board for 2011-2014 was proposed.

9. Conferences: The proliferation of conferences and their demands on travel time and funds was discussed. Conflict of conferences with each other is also a problem. It was suggested that a conference calendar on the CIGR web page might reduce scheduling conflicts.

10. Future Meetings: Section III will meet at the CIGR International Symposium 2011 in Tokyo 19-23 September 2011 and at the 3rd CIGR International Conference of Agricultural Engineering 2012 in Valencia 8-12 July 2012.

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

CIGR Section IV

“Energy in Agriculture”

Minutes of the Board meeting

The Technical Board Meeting of CIGR Section IV “Energy in Agriculture” held on the Sunday, 13th June 2010, in Hilton Hotel, Quebec City, Canada, commencing at 13:00. The Meeting was realized in one session and concluded around at 14:30. The meeting agreed to discuss following agenda.

Board meeting agenda

1. Opening speech by Prof. Dr. Zoltan Sibalszky
2. Elections for the Section IV Board for the period of 2010-2014
3. The goals of the Section IV for the period of 2010-2014
4. Presentations
5. Discussions
6. Closing

Participants of the board meeting

Chair : Prof. Dr. Zoltan Sibalszky

Secretary : Dr. Guangnan Chen

Members : Dr.-Ing. Ralf Pecenka
: Prof. Dr. Janusz Piechocki

Guest : Dr. Piotr Solowiej

Guest : Dr. Maciej Neugebauer

Agreed minutes

- 1) It was recommended that Dr.-Ing. Ralf Pecenka and Dr. Guangnan Chen are elected as the members of the Section Board for the period of 2011-2014.
- 2) It was suggested that the planned Section IV meetings may be held in conjunction with the following conferences:
 1. 11th International Congress on Agricultural Mechanization and Energy in Agriculture, 21-23 September 2011, Istanbul, Turkey
 2. CIGR-AgEng 2012 International Conference of Agricultural Engineering, July 8-12, 2012, Valencia, Spainendeavour
- 3) Prof. Dr. Zoltan Sibalszky had however later also arranged the following other possible symposiums for the Section IV meetings. It was noted that the relevant organizations of Romania and Poland had already agreed to host these meetings.
 1. The 33th CIGR Section IV Symposium will be held in June 2011, Bucharest, Romania
 2. The 34th CIGR Section IV Symposium will be held in June 2012, Krakow, Poland
- 4) Prof. Dr. Janusz Piechocki performed the presentation of his researches and the previous CIGR Section IV held in Poland in 2007.

*Prof. R. Cengiz Akdeniz
Secretary of CIGR Section IV*

CIGR Section V

“Management, ergonomics and system engineering”

Minutes of the Board meeting

Mission Statement

Biosystem management and work organisation by use of operations planning, logistics and system engineering, while improving the operations efficiency, health protection, ergonomics, worker's safety and environmental aspects.

The R&D activities deal with the following themes: work science and work organisation, system management and logistics, risk analysis and ergonomics, health protection and traceability, life cycle assessment and sustainable agriculture.

Scope

The aim of R&D activities is to increase competitiveness focusing on economics, labour, energy efficiency and environmental sustainability.

Future activities

The following activities will be kept and expanded:

- Organizing conferences, symposiums and seminars connected with the scope of CIGR
- Expand contacts and operations with similar national and international organizations (like CIOSTA)
- Promote working groups covering the scientific scope of CIGR

International conferences

In 2011 the XXXIV CIOSTA – CIGR V conference “efficient and safe production processes in sustainable agriculture and forestry” will be held in Vienna (Austria) from 29 June – 1 July. The website of the conference is the following:

<http://www.nas.boku.ac.at/ciosta2011.html>

In 2013 the XXXV CIOSTA – CIGR V conference will be held in Denmark. The city, the title and the topics still have to be finalized.

Working groups

Two working groups were proposed:

1) WG on Logistics (Chair Berruto Remigio – Italy)

Objectives

- To meet recent demands on machinery management in complex agricultural operations related to harvest, distribution and transport of produce (grain, biomass, slurry)
- To share the state-of-the art technology for the optimal management of on-farm and regional logistic operations
- To develop methods and tools to improve the efficiency of the logistic operations
- To set-up standard parameter for comparison of logistic operations
- To optimize, with a system approach, the performance of the working chains, under many viewpoints, considering technical, economic and environmental aspects.

Topics

- Biomass harvest
- Grain harvest
- Slurry management
- Controlled traffic management for service units
- Future farm logistics
- Delivery of high-value produce through the supply-chain

- Information flow along the supply-chain
- Expected outcomes
- Organize within CIGR specific workshops on the topic
- Enhancement of the collaboration of industry scientists and agriculture extension services
- Provide logistic information to other CIGR working groups
- Cooperate with E-Journal by contributing with papers and as paper reviewers
- developing of cooperation and contacts with similar international organizations

2) WG on Automation and system technology in plant production (Chair Bochtis Dionysis - Greece)

Objectives

- To enhance the continued efforts of planning and controlling resource inputs in bio-production systems, addressing the radically changing nature of operations imposed by the employment of more automation in terms of technology and management measures
- To support the research on development and the implementation of analogous management tools as seen in the industry domain
- To deal with the environment and (CO₂ emissions, chemical inputs), sustainability, and economical issues in terms of operations management

Topics

- High level control of field-robots
- Automation technologies for field operations: Auto-steering and navigation-aiding systems for agricultural vehicles, Site specific management systems (e.g., precision spraying systems, on-site monitoring)
- Fleet management: Remote diagnostics, Telematics, Coordination of multiple-machinery systems (Multiple-identical units, Cooperating machinery)
- DSS for operations management (Web-based systems, On-board system)
- Operations management in open environments (Convention arable farming, Forestry)
- Semi-structured environments (Orchards, Controlled traffic farming systems)
- Controlled environments (Greenhouses, Industrial plants)

Expected outcomes

- To attract researchers for other scientific disciplines, and particularly from Operational research, Robotics, Industrial engineering
- To strength the connectivity among the CIGR working groups sharing scientific research experience with other working groups, and with other scientific topics of from other CIGR sections
- To cooperate with the CIGR E-Journal in terms of contribution in papers specialised reviewers
- To develop cooperation with alike international organisations

The proposed working groups have still to be submitted to the approval of the WG coordinator, Prof. Da Wen Sun.

*Prof. Pietro Piccarolo
The chair of Section V*

4. CIGR SUPPORTED ACTIVITIES

The 4th Asian Conference of Precision Agriculture

4-7 July 2011, Obihiro, Japan

First Announcement and Call for Submission

As an initiative on precision agriculture research and applications in Asia, the series of Asian Conferences on Precision Agriculture have been connecting representatives from all sectors involved in agriculture across counties and regions. The program includes industry updates, activities in organizations and communities, and social events city sponsored. All of the conference has a focus on information exchange and exploration of future needs community-based.

The first conference was organized in Toyohashi, Japan, 5-6 August 2005, the second was in Pyeongtaek, Korea, 2-4 August 2007, and the third was in Beijing, China, 14-17 October 2009. The fourth ACPA comes in Obihiro City, a north of Japan, specialized by its green-innovative city.

We would like to call all of you who combat the global crises of food and natural resources using PA technologies, and who contribute local community and industry development with agriculture, and who create agro-information technology. We are looking forward to seeing all participants in Obihiro.

Prof. Dr. Sakae SHIBUSAWA

Chair of Management Committee of Asian Conference on Precision Agriculture

Conference and venue

The Fourth Asian Conference on Precision Agriculture (ACPA) will be held at Tokachi Plaza in Obihiro, Hokkaido, JAPAN. The Tokachi Plaza is a fine convention center and is conveniently located besides the JR station of Obihiro. Obihiro is a major city of Tokachi region in Hokkaido and is located at the center of Tokachi region. Tokachi region is the biggest agricultural land in Japan. Conference participants enjoy the Japanese local country scenery and the beauty of nature.

Conference themes

Conference themes include, but are not limited to:

- Session 1: Technology (Sensors, VRT, Robot, Plant Factory, Mechanization, etc.)
- Session 2: Natural Resources Variability (Soil, Water, Crop Growth, Canopy, Yield, Terrace, etc.)
- Session 3: Paddy Management (Irrigation, Nutrient, Farm Works, Processing, Marketing, etc.)
- Session 4: Remote Sensing (Hyper-spectral, Satellite, Airborne, Ground-base, FTIR, etc.)

- Session 5: Decision Support (GIS, Good Agricultural Practice, Hands-on Software, etc.)
- Session 6: Field to Table (Reliability, Traceability, Business Model, Marketing, HACCP, etc.)
- Session 7: Precision Livestock Farming (Instrumentation, Traceability, Waste Control, etc.)

How to submit an abstract/full paper

Abstracts and full papers will be handled by the conference web-site. The length of the abstract should not exceed 300 words. The abstract will be peer-reviewed.

Abstract submission deadline: **31 March 2011**

Full paper submission deadline: **31 May 2011**

Conference fees

Payment of the registration fee will entitle to receive:

- Conference CD-ROM
- Access to conference social program
- Conference welcome kit
- Guided Technical Tour

	Early Bird registration fee (until 30 April)	Registration fee (after 1 May)
Regular participants	50,000 JPY	60,000 JPY
Students	30,000 JPY	40,000 JPY
Accompanying Person	20,000 JPY	30,000 JPY

Other information

The conference language is English.

The conference web-site:

<http://acpa.bpe.agr.hokudai.ac.jp/>

Please access the conference web-site for the abstract and paper submission and check the updated information. The registration will also be achieved via this web-site.

The conference proceedings and its CD-ROM will be available for participants.

The web-site of Obihiro city:

<http://www.city.obihoro.hokkaido.jp/kurashiindex/e010101.jsp>

Secretariat: Assoc. Prof. Takashi KATAOKA,
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5. OTHER ACTIVITIES

Report on The 3rd International Conference on Modelling, Simulation, Prevention and Rehabilitation of Dense Debris Flows Debris Flow 2010

Debris and hyper-concentrated flows are among the most destructive of all water-related disasters. They affect both rural and urban areas in a wide variety of morpho-climatic environments. In recent years they have attracted more and more attention from the scientific and professional communities and concern from the public due to the death toll they claim. The increased frequency of these natural

hazards, coupled with climatic change, pollution and urban development, suggests that they are get to increase in the future.

An International Conference on the above-mentioned themes took place in Milan, Italy, from 24th to 26th May 2010.

The Meeting was co-chaired by D. De Wrachien, Past President of EurAgEng and member of the CIGR Executive Board, and C. Brebbia, Director of the Wessex Institute of Technology (WIT), UK, co-sponsored by CIGR and EurAgEng, and supported by the Lombardy Region.

The Conference was attended by participants from 12 countries. It consisted of an Opening Session, four Topic Sessions (Debris-flow modeling, Risk assessment and hazard mitigation, Debris-flow triggering, Case studies) and one Special Session (Sediment transport and debris-flow monitoring and analysis), organized by D. De Wrachien, G.B. Bischetti, Francesco Gentile and L.A. Mao.

Prof. D. De Wrachien opened the Conference stressing that greater research needs to be directed towards understanding the nature of natural disasters, hydrological systems, geological processes, and ideally the variability and potential for changes. Prof. C. Brebbia then welcomed the participants in the name of the WIT, underlining the importance of the Meeting within the objectives of the Institute, which aims to act as a mechanism to transfer knowledge amongst different partners from academia, professionals and research.

Next, a number of lectures were held, among which is worth mentioning "Mechanical and fluid-dynamic behavior of debris and hyper-concentrated flows: Overview and challenges" presented by D. De Wrachien, "Debris flow modeling accounting for large boulder transport" delivered by C. Martinez of the Florida International University, USA, "Monitoring and transfer processes of sediment – LW in mountain catchments" held by M. Lenzi of the University of Padua.

The Conference included a technical visit organized by the Lombardy Region, in province of Lecco which is famous for the occurrence of large landslide phenomena. Following these events, the Lombardy Region installed a monitoring system. Moreover an emergency plan has been prepared in which threshold risks have been defined based on the correlation of precipitation and earth movements. The delegate had ample opportunity for asking the experts questions to better understand the mitigation measures carried out in the region.

The Conference brought together engineers, scientists and managers from across the globe to discuss the latest scientific advances in the field of debris and hyper-concentrated flows, as well as to improve models,

assess risks, develop hydrological maps based on model results and to design preventive and mitigation measures.

The success of the Meeting will ensure that the Conference will be reconvened in 2012 at a location and on a date to be shortly announced.

The Proceedings of Debris Flow III, 288pp (Print ISBN:978-1-84564-442-0; Online ISSN:1743-3533) are available from WIT Press.

For more information see the web site:

www.wessex.ac.uk/10-conferences/debris-flow-2010.html

Prof. Carlos Brebbia, Director of the Wessex Institute of Technology, UK

Prof. Daniele De Wrachien, EurAgEng Past President, Member Executive Board of CIGR

Report of the 30th FAO Regional Conference for Asia and the Pacific Gyeongju, Korea, 27 Sept. to 1 Oct. 2010

On 27 September, after the Opening of Senior Officers Meeting and Keynote Speech, meetings on each issue were held.

Mr. Hiroyuki Konuma, Officer-in-Charge and Deputy Regional Representative of FAO, delivered a welcome speech, in which he insisted that we have to work together to meet the food requirements and achieve the goal of increasing food production by 100 % by the year 2050 as we have done in the past 40 years.

In the Closing Ceremony, Mr. Yoo Jeong-bok, Korean Minister for Food, Agriculture, Forestry and Fisheries, delivered a speech. He said "44 years ago, in 1966, Korea was one of the poorest countries in the world and the average annual income per capita was just 125 US dollars. But now, Korea has achieved such rapid development that it has come to participate in the G7 Summit. Even in rural areas, the annual income per capita in 2008 was 27000 USD, compared to 97 USD in 1965. This achievement is greatly attributed to agricultural and industrial progress. Korea has also set a goal to decrease its greenhouse gas emissions by 30% while it makes efforts to increase its self-sufficiency rate."

The current environmental crisis is a problem that nobody in the world can remain indifferent to. We have to join forces to make sustainable progress. In order to do so, the role of FAO is significant and the role of international cooperation will be more and more important.

Mr. Yoshisuke Kishida

*Co-opted member for Asian Countries and Public Relations
of CIGR Executive Board (2007-2010, 2011-2014)*

Auditor of CIGR (2007-2010)

6. PUBLICATIONS

Agricultural Engineering International The CIGR Ejournal

Dr. Wang Yingkuan, Acting Editor-in-Chief
ISSN 1682-1130

**Submit manuscripts for peer review to –
www.CIGRjournal.org**

Since the implementation of Open Journal System(OJS) by the CIGR Journal, the number of manuscript submissions continues to increase. The table above shows the statistics

2010 Statistics for the CIGR Journal (July – September)

Issues (Vol.12, No.1, 2, 3, 2010)	published 3 (No. 3 in publishing)
Items (Research papers)	published 23 in No.1, 16 in No. 2, 16 in No.3
Total new submissions	46
Peer reviewed	46
Delayed at section editor's hand	36 (78%)
In review with some review comments	8 (17%)
In review without review comments	2 (4%)
Accepted	0 (0%)
Declined	0 (0%)
Resubmitted	0 (0%)
Days from submission to complete review	Over 70
Days to from submission to publication	Over 133

for the CIGR Journal from July to September 2010 after using OJS.

Note: Percentages for peer-reviewed submissions sometimes may not add up to 100% as items resubmitted are either accepted, declined or still in the process of review.

From July to September of this year, 46 manuscripts have been submitted, which is more in number compared to the 33 submissions from April and June. The average time to

conduct a review and publish a manuscript is far more than 30 days (compared with the data from the first season). As we can see many submissions (78%) were in the queue awaiting review by section editors. This is due to a number of reasons, such as unsmooth transition after the retirement of some section editors, too much workload on limited number of section editors, improficiency of online review using OJS, and some other personal reasons. Measures should soon be taken to speed up the review process.

Up to Dec. 12, 2010, the total registered users in CIGR Journal through OJS reached 3274 with 1764 new, registered readers 2830 with 1651 new, however, among which there are 907 registered as reviewers in the journal database. Owing to the incomplete registration information, particularly without reviewing interests, it is hard to select proper reviewers according to their expertise. CIGR Journal will warmly welcome your participation and appreciate your support. If you have not registered in the CIGR Journal, please do so by going to the Website and registering as an author and reviewer.

Moreover, there are in all 228 manuscripts submitted to CIGR Journal, with 17 papers accepted, and the rest still in process--under review or revision. Only in July, there are 20 new submissions. Thank you.

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

CIGR Section Boards (for 2010)	
Section I: <i>Land and Water</i>	(Chair: Jose M. Tarjuelo [Spain])
Section II: <i>Structures and Environment</i>	(Chair: Daniel Berckmans [Belgium])
Section III: <i>Plant Production</i>	(Chair: John K. Schueller [USA])
Section IV: <i>Energy in Agriculture</i>	(Chair: Mikio Umeda [Japan])
Section V: <i>System Management</i>	(Chair: Pietro Piccarolo [Italy])
Section VI: <i>Bioprocesses</i>	(Chair: Jozef Grochowicz [Poland])
Section VII: <i>Information Technology</i>	(Chair: Antonio Saraiva [Brazil])

All correspondence and information on forthcoming activities should be sent to:

CIGR GENERAL SECRETARIAT

Professor Dr. Toshinori Kimura, Secretary General

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120th
anniversary

**Food, water, and environment.
Supporting people
by standing by them.
Continuously into the future.**

Agricultural machinery to enhance food production and labor saving. Pipes and valves to establish the water infrastructure. Environmental engineering to realize a recycling-based society. Kubota's 120 years have been a history of undertaking challenges facing the society.

To make everyone smile, Kubota endeavors to support prosperous human life and protect the environment at the same time.
"For Earth, For Life"
After 120 years, Kubota's mission continues.

Kubota
For Earth, For Life

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