



International Commission of Agricultural and Biosystems Engineering

CIGR

Newsletter Quarterly

Newsletter No. 87
October 2009

Since 1930
79 Years of CIGR

- 1. CIGR News 2**
- 2. News from Regional and National Societies 7**
- 3. News from Sections and Working Groups7**
- 4. CIGR Supported Activities 11**
- 5. Other Activities13**
- 6. Publications 15**

Commission Internationale du Génie Rural (CIGR)

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

1. CIGR NEWS

Message from the President

Every year, CIGR operates an Executive Board Meeting which consists of the Presidium and the representative of CIGR member's societies defined by CIGR statutes and operates a Technical Board Meeting which consists of the CIGR Section Chairs and a coordinator of CIGR Working Group. The most recent meetings were held in Potsdam, Germany, where a Presidium Meeting was also held. These meetings were in connection with the 5th International Symposium on Food Processing, Monitoring Technology in Bioprocesses and Food Quality Management, from 31 August to 2 September 2009, organized by CIGR Section VI. Many items were discussed at the Board meetings. I will focus on the three most relevant ones below.

CIGR Section Short Names

As a former member of Section II, I have experienced the difficulties in agreeing upon changes to section names. Members from different parts of the world have different opinions on which topics are the most important for each section. Therefore, there is a tendency for section boards to expand the section titles in an effort to cover all areas deemed important.

In my opinion, the section names should be comprehensive but short so that they are easily remembered and connected to CIGR. Further, a detailed but brief description about the current section work is necessary. This description can be revised by the section chairs, as appropriate, taking into account other section descriptions. The short names have been discussed over the past two years and it was agreed to use the common heading 'Engineering of' for all sections. Figure 1 shows the current draft of the list of short names.



President Søren Pedersen

Engineering of:

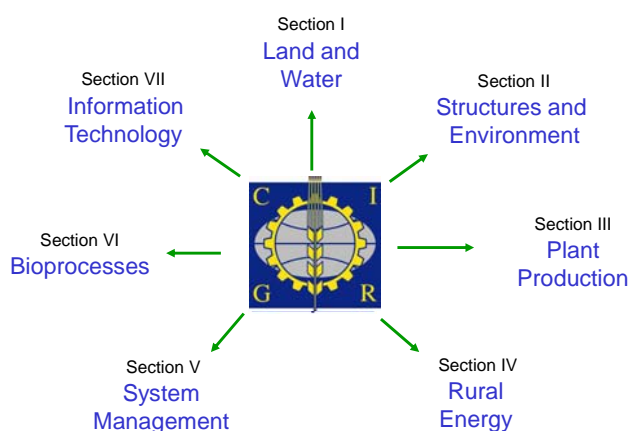


Figure 1. Proposal of CIGR Section short names

I am looking forward to finalizing the short names and detailed descriptions over the next half year in order to confirm them at the CIGR World Congress 2010 in Quebec.

The detailed description of Section V is ready and is as follows:

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

CIGR Ejournal

More than ten years ago, CIGR initiated a CIGR Ejournal with Prof. Bill Stout as the Editor-in-Chief. The Ejournal has done well over the past decade, publishing more than 600 peer reviewed papers.

Years ago, Prof. Bill Stout made known his intentions to retire from the editorial position. During the transitional period, the Incoming President of CIGR, Prof. Fedro Zazueta, promised to take over as Editor-in-Chief until a long term solution could be found. Together with the editorial shift, Fedro Zazueta also moved the paper handling of the Ejournal from a manual system to an online Open Journal System (OJS). CIGR has been seeking a new Editor-in-Chief, as also mentioned by Prof. Bill Stout in CIGR Newsletter no. 85, page 11. In the mean time the CIGR presidium has had a fruitful negotiation with the Chinese members of Chinese Society for Agricultural Machinery (CSAM) / Chinese Society of Agricultural Engineering (CSAE) to take the role of Editor-in-Chief. We have to complete a cooperation agreement about the Ejournal to be ratified in Quebec.

CIGR World Congress 2010

Every four years, CIGR organizes a CIGR World Congress. The last one was held in 2006 in Bonn, Germany and the next is scheduled for 2010 in Quebec, Canada, followed by one in China in 2014.

Parallel to the CIGR World Congress in Quebec, several different groups will join CIGR, including: the Canadian Society for Bioengineering (CSBE), International Drainage Symposium (IDS) of ASABE, American Ecological Engineering Society (AEES), World Congress on Computers in Agriculture (WCCA) and GP3A (Génie des procédés appliqués en agroalimentaire) – a francophone food engineering group.

The Scientific Committee is chaired by Dr. Philippe Savoie, Ing. Agr. Ph.D., and the Organizing Committee by Dr. Stéphane Godbout, Ing. Agr.

The local organizers estimate a turnout of approximately 850 people (150 Canadians, 350 international delegates through the CIGR network, 100 people through IDS, 150 people through WCCA, and 100 people through AEES). All the participants will be able to attend any of the concurrent activities.

Hopefully, you have submitted or are in the process of submitting a paper to the CIGR World Congress 2010. See you there!

Prof. Søren Pedersen
President of CIGR 2009-2010

CIGR World Congresses and International Conferences, 2010–2014

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

Summary

The local organizing committee has been busy over the last two years planning the CIGR World Congress in Quebec City, Canada. The Congress will be held in June 13-16, 2010; detailed information is available on its web site (www.cigr2010.ca). Abstracts can be submitted until 15 September, 2009 for the International Drainage Symposium and until 20 November, 2009 for all other events during CIGR 2010. Several groups are meeting jointly with CIGR 2010; organizers expect about 850 delegates.

Planning of Congress

The XVII World Congress of CIGR will be hosted by the Canadian Society for Bioengineering/ Société canadienne de génie agroalimentaire et de bioingénierie (CSBE/SCGAB) in Québec City between Sunday 13 June and Wednesday 16 June, 2010.

Several groups and events will convene at the same time:

- XVII World Congress of CIGR, Presidium and all seven technical sections
- 52nd Annual Meeting of CSBE/SCGAB (Dr. Stéphane Godbout, Chair of Local Organizing Committee; Dr. Philippe Savoie, Chair of Scientific Committee)
- ASABE's 9th International Drainage Symposium (IDS); a signed agreement exists with ASABE; contacts: Sharon McKnight at ASABE; Dr. Ali Madani and Dr. Gary Sands)
- 8th World Conference on Computers in Agriculture (WCCA), sponsored by INFITA, the International Network for Information Technology in Agriculture (contact: Dr. Fedro Zazueta)
- 10th Annual Meeting of the American Ecological Engineering Society (AEES; contacts: Dr. Stacy Hutchison and Dr. Marty Matlock)
- 13th Inter-Regional Conference on Land, Water and Environment Management – EnviroWater 2010 is planned by Section I of CIGR (contact: Dr. José Tarjuelo)
- Symposium on Nanotechnologies Applied to Biosystems Engineering and the Environment – Nano 2010 (contact: Prof. Khaled Belkacemi)

Another group, GP3A (Génie des procédés appliqué en agro-alimentaire), an international network of francophone food engineers, is planning its international meeting just after CIGR 2010 (17-18 June) in Quebec City (contacts: Dr. Michèle Marcotte and Dr. Cristina Ratti).

In total, we estimate the meeting will attract about 850 people (150 Canadians, 350 international delegates through the CIGR network, 100 people through IDS, 150 people through WCCA and 100 people through AEES). All participants will be able to attend any of the concurrent activities.

Scientific Program

The Congress has been organized to reflect the seven

technical sections of CIGR plus five special groups (IDS, WCCA, AEES, GP3A, Nano 2010). When authors will submit an abstract, they will be asked to choose among one of the twelve following technical tracks:

- ASABE's 9th International Drainage Symposium (IDS)
- 8th World Congress on Computers in Agriculture (WCCA)
- 10th American Ecological Engineering Society Annual Meeting (AEES)
- Génie des Procédés Appliqué en Agro-Alimentaire (GP3A)
- Symposium on Nanotechnologies Applied to Biosystems Engineering and the Environment
- CIGR Section I: Land and Water Engineering (including EnviroWater 2010)
- CIGR Section II: Farm Buildings, Equipment, Structures and Livestock Environment
- CIGR Section III: Equipment Engineering for Plants
- CIGR Section IV: Energy in Agriculture
- CIGR Section V: Management, Ergonomics and Systems Engineering
- CIGR Section VI: Postharvest Technology and Process Engineering
- CIGR Section VII: Information Systems

A 13th track is open for general papers in areas not covered above. Some tracks are expected to merge (e.g. WCCA and Section VII). CIGR Section II is developing an extended technical program in collaboration with the Aquacultural Engineering Society.

Two pre-conference workshops are presently confirmed:

12-13 June, two-day workshop on a drainage model "DRAINMOD" organized by researchers from North Carolina State University (with one-day option on 13 June for nutrient flow analysis)

13 June, one-day workshop on Life Cycle Analysis, organized by AEES (Dr. Marty Matlock)

Five post-conference tours are being planned on Thursday 17 June: water management tour, livestock engineering tour, food engineering tour, biomass harvest and conversion tour, large-scale hydro-electric dam. Some details are already on the web site (www.cigr2010.ca).

The page to receive abstracts has been open since 6 July, 2009. IDS requested an early deadline for paper proposals (15 September, 2009) because they have a review process of articles. By mid-October 2009, more than 105 abstracts had been received for IDS. All other technical groups have a general deadline for abstract proposals set on 20 November, 2009 (except AEES whose deadline is December 15, 2009). Representatives of AEES will promote CIGR 2010 during the Ecological Engineering International Congress in Paris on 2-4 December, 2009.

Other deadlines include: notification of acceptance of abstracts (one month after the deadline, 15 Oct. or 20 Dec., 2009); reception of full papers (15 Dec. for IDS; 20 February, 2010 for all others); early registration (25 February, 2010 for all); final program (20 April, 2010); actual Congress 13-16 June, 2010.

Financial commitment of CSBE to CIGR

The CSBE/SCGAB will transfer \$20 US per full delegate to the CIGR Secretariat after the meeting. An agreement was discussed verbally in Bonn in 2006 with President Luis Santos Pereira who confirmed by email on 16 September, 2006: "The CIGR shall receive 20 USD for each participant that pays, thus excluding participants which are exempted of fees by the Congress organization and students paying reduced fees."

A formal contract was discussed between CSBE and CIGR in Potsdam, Germany in early September 2009 and signed by representatives of both organizations: President: Prof. Søren Pedersen and Secretary-General: Professor Emeritus Dr. Takaaki Maekawa for CIGR, Mr. Dennis Hodgkinson, President of CSBE and Dr. Philippe Savoie for the Local Organizing Committee.

Detailed schedule of meeting

Sunday 13 June, 2010, 19h00-21h00, Welcome Reception
 Monday morning, 08h30-10h00, Opening Ceremonies – General Plenary session for all groups
 Monday 14 June, 2010, 10h30-12h15, Concurrent technical sessions and posters
 Monday 12h30-14h00, Lunch included for all attendees
 Monday 14h00-17h00, Concurrent technical sessions and posters
 Monday 20h00-22h00, Cruise on St. Lawrence River (included for all participants)
 Tuesday 15 June, 2010, 8h30-10h00, Concurrent technical sessions and posters
 Tuesday, 10h30-12h15, Concurrent technical sessions and posters
 Tuesday 12h30-14h00, Lunch included for all attendees
 Tuesday 14h00-17h00, Concurrent technical sessions and posters
 Tuesday 19h00-22h00, Awards Banquet (ticket included for delegates, optional for students)
 Wednesday 16 June, 2010, 08h30-10h00, Concurrent technical sessions and posters
 Wednesday, 10h30-12h15, Concurrent technical sessions and posters
 Wednesday 12h30-14h00, Lunch included for all attendees
 Wednesday 14h00-15h30, Concurrent technical sessions and posters
 Wednesday 16h00-17h00, Closing Ceremonies, free evening
 Thursday, 17 June, 2010, Optional technical tours

Registration fee structure

The registration fee (early-bird, before February 25, 2010) is set at \$750 for a full delegate from a developed country and \$600 for a full delegate from a developing country. Student fees will be half (\$375 and \$300, respectively). Fees will include three lunches, Sunday evening reception, Monday night boat cruise and Tuesday Banquet (for full delegates only). A book containing all abstracts and an electronic support of the full proceedings will be available to delegates. Optional tickets for the banquet will be available at a cost of \$90. Late registration will cost \$100 or \$80 more for full delegates from developed or developing countries, respectively (half more for students).

A spouse program will be organized with full cost expected

to be about \$175, including Sunday reception, Monday boat cruise and Tuesday Banquet. A walking tour on Monday morning will be organized for registered spouses to visit Old Quebec and suggest activities during the following days.

Needs of CIGR, Board and Sections Meetings

The Congress is being held in the Quebec City Convention Centre. Several rooms will be available from Sunday 13 June to Wednesday 16 June. Additional rooms can be reserved in the Convention Centre or adjacent Hilton Hotel on 12 June or 17 June for meetings of the Presidium, Executive Board or any CIGR Section which would like to hold a meeting. Costs of meeting rooms for all CIGR groups within the period of June 12-17, 2010 will be supported by the general Congress budget. Requests for meeting rooms can be sent to email below. A reminder will be forwarded to all Section Chairs and the Presidium later in March 2010 to finalize planning of meeting rooms.

Members of the CIGR/CSBE organizing committee

Stéphane Godbout (Chair of Organizing Committee), Philippe Savoie (Chair of the Scientific Program), Stéphane Lemay, Cristina Ratti, Damien de Halleux, Roger Thériault, René Morissette, Robert Lagacé (liaison with ASABE IDS).

Prof. Philippe Savoie

Chair of the Scientific Programme, CIGR 2010

Prepared on August 22, 2009; revised on October 26, 2009

philippe.savoie@fsaa.ulaval.ca

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

Participants will have the opportunity to network and lobby at an international level, especially through the EurAgEng working groups that will meet during the Conference.

The theme of the Conference is 'Agriculture & Engineering for a Healthier Life'. The organizing committee is planning several events that will, in July 2012, make Valencia the capital of agricultural engineering. You will be able to share your most recent discoveries in areas of agricultural, food, and biosystems engineering with colleagues from around the world.

Parallel Events and Special Conferences:

- CFD Applications on Agricultural Buildings (ISHS)
- International Workshop on Computer Image Analysis in Agriculture (CIGR Working Group on Image Analysis for Agricultural Products and Processes)
- International Livestock and Environment Symposium (ILES)

Official Conference Language: English

Important Dates:

1 October 2011: Online submission of abstracts via the

AgEng2012 website

15 December 2011: Notification of acceptance of abstracts

15 March 2012: Submission of full papers

20 May 2012: Final programme

Registration Fees:

€20 for early registration for CIGR, EurAgEng, and ASABE members

€80 for non-members

Organizing Committee:

Instituto Valenciano de Investigaciones Agrarias (IVIA)

Universidad Politécnica de Valencia (UPV)

Scientific Committee:

Based on CIGR Sections and Working Groups and EurAgEng Working Groups

Contact:

Prof. Florentino Juste

Instituto Valenciano de Investigaciones Agrarias

Email: juste_flo@ivia.gva.es

Phone: +34 963 424 010

Fax: +34 963 424 002

Prof. Florentino Juste

Chair of the Organizing Committee

of the CIGR International Conference 2012

First Announcement

The XVIII CIGR World Congress 2014

on

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 September 16 - 19, 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.

Sponsors:

- International Commission of Agricultural and Biosystems Engineering (CIGR)
- Chinese Society for Agricultural Machinery (CSAM)
- Chinese Society of Agricultural Engineering (CSAE)

Co-Sponsors:

- China Food and Packaging Machinery Industry Association (CFPMA)
- Local government offices; local, regional and international associations, Other societies and institutions will be invited and added later.

Organizers:

- Chinese Academy of Agricultural Mechanization Sciences (CAAMS)
- Chinese Academy of Agricultural Engineering (CAAE)
- China Agricultural University (CAU)

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

Time: 16-17 September, 2014, **Venue:** Beijing

Congress Language: English

Scientific Program:

- Plenary sessions with invited speakers
- Parallel oral and poster sessions
- Special sessions
- Exhibition and field trips

Main topics:

- (1) Land and Water Systems Engineering
 - Irrigation and Drainage Modeling • Water Saving and Productivity
 - Soil Sustainability • Water Management
 - Soil Conservation and Improvement • Landscapes and Ecosystem
 - Environmental Criteria for Land Use and Other Environmental Considerations
 - Salinity, Water Treatment and Reuse and Contamination Control
 - Wind Erosion, Water Erosion, Environmental Protection
- (2) Machinery Engineering for Plant Production
 - Strategy and Development of Agricultural Mechanization
 - Innovation Technologies for Agricultural Equipment
 - Tractors • Tillage and Seeding
 - Harvesting Technology • Automation Technology
 - Fertilizing and Plant Protection • Environmental Impact
 - R & D for Farm Machinery and Equipment
- (3) Bioprocessing System Engineering
 - Image Processing • Drying and Dehydration of Agro-products
 - Postharvesting Technology • Food Quality
 - Environmental Impact • Mathematical Modeling and Simulation for Food Processing
 - Sensors for Quality Assessment Control • Physical Properties of Agricultural products
 - Food Packaging and Storage • Thermal Processing, Chilling and Freezing
 - Separation Process • Biotechnology
- (4) Information Systems and Precision Farming
 - ICT for Agriculture • KISIDSS
 - Crop Sensing • Data Acquisition and Management
 - Soil Sensing • Field Robots
 - Weed Control • Yield Sensing
- (5) Rural Electricity and Renewable Energy
 - Bioenergy Resources • Biogas
 - Biomass Handling and Processing • Biomass Emissions and Other Environmental Considerations
 - Energy Efficiency • Liquid Biofuels - Biodiesel
- (6) Farming buildings and Livestock Environmental Engineering
 - Livestock Structures and Material Handling Equipment
 - Precision Livestock Farming
 - Livestock Environment and Waste Treatment-Water Quality, Air Quality, Odor Control
- (7) Management, Ergonomics and System Engineering
 - Farm management Planning and Calculation
 - Safety and Ergonomics • System Engineering

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 2 nd announcement.

Preparation Office:

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

Prof. Lanfang ZHANG

International Cooperation Department

Chinese Academy of Agricultural Mechanization Sciences (CAAMS)

NO.1 Beishatan Beshengmen Wai Beijing 100083 China

Tel: 0086-10-64882358

Fax: 0086-10-64883508

Email: cigrwc2014@yahoo.cn

Based on the rich experiences of successfully hosting the 2004 CIGR international Conference in Beijing, the sponsors and organizers are confident that the 2014 World Congress will provide a fruitful and wonderful academic congress for scientists, engineers, managers and other professionals in the agricultural/biosystems engineering field from all over the world. Put the dates on your calendar now. More details will be available in the 2nd announcement.

For the 2008 Olympic Games, Beijing was made more beautiful and more attractive than ever before. A modern Beijing with ancient charm is ready to reach out her arms to welcome you.

Let's meet in Beijing at the XVIII World Congress of CIGR in 2014

*Prof. Shujun Li
Executive Board Member of CIGR*

Report of the CIGR Presidium, Executive Board, and Technical Board Meetings at the 5th CIGR Section VI International Technical Symposium

The CIGR meetings at the 5th CIGR Section VI International Technical Symposium were held in Potsdam, Germany, on 30–31 August 2009. The Symposium was managed very well, and the concept was very clear. The Symposium witnessed 200 participants. The presidium meeting was held from 9:00 to 14:00 on 30 August 2009. The executive board meeting was held from 15:00 to 17:00 on 30 August. The technical board meeting was held from 18:00 to 20:30 on 31 August. Various matters were discussed at each meeting. The main pending issues were the revision of the CIGR Awards & Prize system and the recruitment of the Editor-in-Chief for the CIGR Ejournal. The minutes of the executive board meeting in Potsdam will be published in the next CIGR newsletter No. 88.

Announcement:

-In the coming CIGR World Congress 2010 to be held in Quebec, the executive board members and section board members will be elected for a four-year term.

-It is with pleasure that I invite you to recommend the candidates for the CIGR Award and Prize for distinguished achievements in the field of agricultural engineering.

Further informations will be published on the CIGR Website and Newsletter No. 88 in December 2009.

*Prof. Emeritus Takaaki Maekawa
Secretary General of CIGR*



The participants of the 5th CIGR Section VI Technical Symposium in Potsdam, Germany

2. NEWS FROM REGIONAL AND NATIONAL SOCIETIES

Call for Papers
First Announcement
Sustainable Bioproduction
WEF 2011
CIGR International Symposium
"Sustainable Bioproduction
- Water, Energy, and Food"
19-23 September, 2011, Tokyo, JAPAN
<http://www.cigr2011.org/>

In 2011, all engineers and scientists and affiliates from 7 technical sections of CIGR will meet in Tokyo to discuss the updated controversial issues on water, energy and food along with the latest technological development at the 2011 CIGR International Symposium on "Sustainable Bioproduction Water Energy and Food" on 19-23 September, at Tower Hall Funabori in Tokyo, JAPAN.

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

Subject Areas:

1) Soil and Water in Agriculture, 2) Facilities and Environment, 3) Equipment Machinery and Structures, 4) Electric Power, Wind Energy, Solar Energy and Biomass Energy, 5) Operative Management of Post Harvest, 6) Paddy Field Agriculture, 7) Upland Field Agriculture, 8) Arid Land

Farming, 9) Food Production, 10) Agricultural Robot and Bio-Robotics, 11) Remote Sensing, 12) Risk, Security and Safety on Agriculture, and 13) General or Miscellaneous Topics

Organizations :

International Program Committee (IPC)

Chair: Prof. Haruhiko Murase, Vice Chair: Prof. Shujun. Li, and Prof. Noboru. Noguchi

Secretary: Prof. Hiroshi Shimizu

Chairs of CIGR Section Board I to VII

National Organizing Committee (NOC)

Chair: Prof. Taichi. Maki, Vice Chair: Prof. Haruhiko Murase, Prof. Masaharu Komamura and Prof. Takemi Machida

Secretary: Prof. Emeritus Takaaki Maekawa

Important Dates:

Submission of abstract: 1 July, 2010

Notification of acceptance: 1 August, 2010

Initial manuscript submission: 1 April, 2011

Critiqued manuscript returned to authors: 1 June, 2011

Final camera-ready manuscript submission: 1 July, 2011

Early registration due: 1 July, 2011

Registration due: 1 August, 2011.

Contact:

Associate Prof. Dr. Yutaka Kitamura (Vice Secretary of the Symposium), e-mail: kitamura@sakura.cc.tsukuba.ac.jp

Prof. Taichi Maki

Chair of the National Organizing Committee

3. NEWS FROM SECTIONS AND WORKING GROUPS

Report on the 5th CIGR Section VI
International Technical Symposium
on
Food Processing, Monitoring Technology in
Bioprocesses and Food Quality Management,
Potsdam, Germany,
31 August to 2 September 2009

Following the successful 1st International Symposium on Bioproducts Processing and Food Safety held in Beijing in October 2004, the 2nd International Symposium on Future of Food Engineering in Warsaw in April 2006, the 3rd International Symposium on Food and Agricultural Products: Processing and Innovations in Naples in September 2007, and the 4th International Symposium on Food and Bioprocess Technology in Foz do Iguacu, in August / September 2008, the 5th International Technical Symposium on Food Processing, Monitoring Technology in Bioprocesses and Food Quality Management was held in Potsdam, Germany in 31st August - 2nd September 2009.

The symposium was jointly organised by ATB (Leibniz-Institute for Agricultural Engineering

Potsdam-Bornim) and CIGR Section VI, and sponsored by IAEF - International Association of Engineering and Food, EFFoST - European Federation of Food Science and Technology, ASABE - American Society of Agricultural and Biological Engineers, and EurAgEng - European Society of Agricultural Engineers.

The theme of this Symposium was on food processing, monitoring technology in bioprocesses and food quality management, and covered the following topics:



Prof. Da-Wen Sun

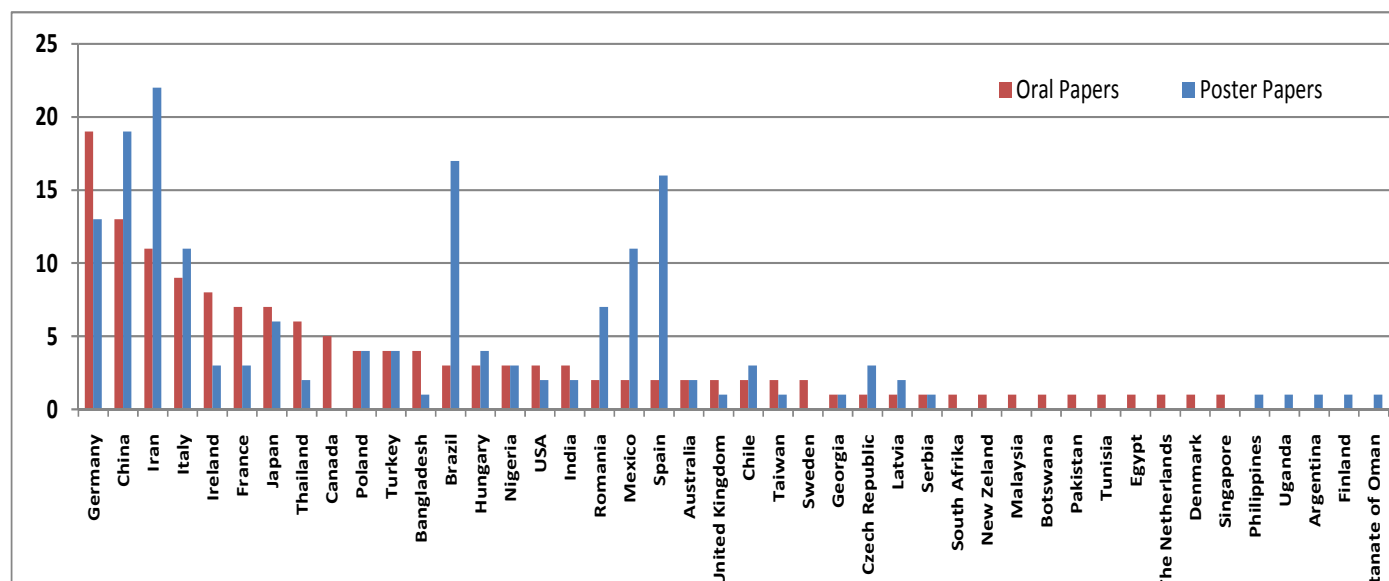
- Modern production and postharvest handling of raw materials;
- Food chemical analyses in the supply chain;
- Food processing with respect to product quality and safety;
- Emerging technologies in food processing;
- Monitoring technologies for in-situ analyses in bioprocesses; and

- Modelling as a tool for process management.

Today, the food processing industry strives to provide a wide variety of products with enhanced shelf-life, functionality and quality attributes, and to develop new technologies in order to meet the demands of people from different cultural and working backgrounds. In particular, excellent progresses have been made in the development of novel processing methods, advanced monitoring technology, and effective and efficient quality management systems, leading to the insurance of product safety, enhancement of nutritional value,

and minimisation of environmental impacts. In spite of these technological advances, many fundamental issues remain, and the interest is high, as indicated by the large number of papers submitted to this conference.

In total, the Symposium attracted 321 papers from 50 countries. The following figure shows the distribution of these papers among different countries. These papers were arranged into 1 plenary and 16 oral sessions, and the remaining papers were displayed as posters in 2 poster sessions.



The Symposium was opened in the morning of Monday 31st August at IHK. Dr Gundula Herwig on behalf of Federal State of Brandenburg, Dr Martin Geyer - Vice Director of ATB, Prof. Da-Wen Sun – Chairman of the Symposium, Prof. Søren Pedersen - President of CIGR, and Prof. Jozef Grochowicz - Chair of CIGR Section VI, delivered a brief welcome address respectively in the opening ceremony. After the opening ceremony, a plenary session was organised in which four keynote lectures were given:

- “Nanotechnology in the Food Industry” by Prof. Digvir S. Jayas, Canada
- “Drying Technology: Trends and Applications in Postharvest Processing” by Prof. Arun Sadashiv Mujumdar, Singapore
- “Emerging Technologies in Food Processing” by Prof. Dietrich Knorr, Germany
- “Hyperspectral Imaging for Food Quality and Safety Evaluation and Inspection” by Prof. Da-Wen Sun, Ireland

From the afternoon of Monday 31st August to the morning of Wednesday 2nd September 2009, 4 parallel oral sessions and one poster session were held in Mercure Hotel each day. In the afternoon of the last day of the Symposium, participants enjoyed a technical visit to ATB.

For the first time, the Symposium has presented awards to best posters. The award ceremony was held at the beginning of the conference dinner in a pleasant boat trip along river Havel through Potsdam's parks and gardens with perfect weather condition. The recipients of the best poster awards were:

- First Place: Miss Hiroko Ando, Japan – “Detection of Xenon Gas Hydrate Formation in Onion Tissue for the Application to Chilling Temperature Storage”
- Second Place: Mr. Antje Fröhling, Germany – “Mastitis Detection and Prevention During Milking Process”
- Third Place: Mr. Michael Eisenmenger, USA – “High Hydrostatic Pressure Enhancement of Isoamyl Acetate Biosynthesis in Ionic Liquid-Alcohol Biphasic System”

Also for the first time, CIGR management meetings were held during the Symposium. These meeting included CIGR Presidium Meeting and CIGR Executive Board Meeting on Sunday 30 August, and CIGR Technical Board Meeting on Monday evening 31 August.

The full papers presented at the conference were published in the conference proceedings in CD-ROM. As previous Symposiums, selected papers will be published in a special issue of Springer “*Food and Bioprocess Technology – an International Journal*”. Currently the special issue is being prepared.

The 6th International Symposium of CIGR Section VI will be held in April 2010 in Nantes, France. Further details of the 6th Symposium will be published in CIGR newsletters when available.

Professor Da-Wen Sun,
National University of Ireland, Dublin
Honorary Vice-President of CIGR;
Chairman of the Conference
Editor-in-Chief, *Food and Bioprocess Technology – an International Journal*

Report of the 10th Argentinean Conference of Agricultural Engineering and the 2nd MERCOSUR and CIGR Section V Symposium 1–4 September 2009, Rosario, Santa Fè, Argentina

The CIGR V Symposium on ‘Technology and Management to Increase the Efficiency of Sustainable Agricultural Systems’, held jointly with the CADIR (Argentine Congress of Rural Engineering) Conference 2009 in Rosario in September 2009, was a success. Approximately 500 delegates (50 from CIGR Section V and 450 from CADIR) presented nearly 600 papers. 450 participants at the CADIR Conference is the largest attendance ever recorded (more than double the previous editions). Thirty-six countries were represented, and CADIR organizers partially credited CIGR for this success. The CIGR symposium had very good visibility because it had plenary conferences and some sections in common with the CADIR. The high level of attendance at both plenary and technical sessions was guaranteed by the simultaneous translation into English and Spanish that was available for the whole event.



Members of organizing committee of the Conference

The opening of the Conference, held at the University of Rosario, was created jointly by the Rector, the CADIR President, and the CIGR Section V President. There was a large amount of participation from the conference attendees and from the local authorities. The closing was jointly created by CADIR, CIGR and the president of the ALIA.

The event was enriched by many plenary sessions. The keynote speakers invited by CIGR V addressed themes related to information technology in agriculture, logistics in field operations, and efficiency in post-harvest operations.

The CIGR Section V hosted a video conference on the opportunities for carbon trading in agriculture with Prof. Braga at the University of Guelph in Ontario, Canada. About 40 people from CADIR and CIGR attended this conference and heard the new viewpoint on how efficiency and carbon trading could improve income for agriculture.

The technical tour on 5 September included a visit to a port terminal for grain shipping and a typical Argentinean farm in the Rosario farming area.

The organizers of the CADIR Conference have expressed sincere thanks for the participation of CIGR. Additionally,

CADIR and the universities have expressed their willingness to form an association of Argentinian agricultural engineering in order to be able to join the CIGR as national members.

The event was made possible due to the strong cooperation between CIGR Section V and Argentinean people from INTA (the National Institute of Agricultural Technologies), Balcarce, and UNR (Rosario National University), Rosario.

*Prof. Pietro Piccarolo
Chairperson of CIGR Section V*

Summary of CIGR Working Group Recent Activities

The CIGR Working Groups are an important component of the CIGR organisation, they have been playing an important role in the CIGR organisation. In order to further enhance the important role of the WG in CIGR, CIGR Working Groups are encouraged to

- Increase their visibility and functionality in CIGR;
- Establish more close links with CIGR Sections;
- Sponsor or co-organise relevant CIGR Section Symposiums;
- Organise WG national or international workshops;
- Publish CIGR Booklets/Handbook on WG area of interests;
- Organise Special Issue in your WG area for CIGR E-Journal; and
- Conduct actively other relevant activities.

Currently, there are eight Working Groups in CIGR, and their recent activities are summarised as follows.

➤ Earth Observation for Land and Water Engineering Working Group

On 13 March 2008, an Expert Workshop on the ‘‘Surface Energy Balance Models of Agricultural Areas from Earth Observation Data’’ has been held at the National Agricultural University of La Molina, in Lima (Peru). The workshop has been organised in the framework of activities of the European Project PLEIADES ‘‘Participatory multi-Level EO-assisted tools for Irrigation water management and Agricultural Decision-Support’’, in collaboration with the Working Group of CIGR on ‘‘Earth Observation for land and water engineering’’. A total of 11 scientific presentations (http://digilander.libero.it/WG_CIGR_EO/) have been given, with special focus of alternative approaches for the schematisation of surface energy balance.

Future activities such as organising a Summer-School on some topics regarding this WG, and involving more colleagues in the activities of the working group, could be planned.

➤ Animal Housing in Hot Climate Working Group

The last WG meeting was held on 2 September 2008 in Iguassu Falls City, Brazil. The Meeting Minutes has been published on the WG website.

Glossary definitions were finished and have been published on the WG website. Expert system for planning and designing dairy farms in hot climates is also available on WG website.

The Third Workshop of the CIGR Working Group ‘‘Animal

Housing in Hot Climates” will be held on October 23-25, 2009, Chongqing, China, with the following topics:

- Glossary definitions
- Heat waves and the impacts
- Heat and moisture production of animals in hot climate
- Animal behaviour and animal welfare in hot climate
- New production systems for animals in hot climate
- **Rural Development and the Preservation of Cultural Heritages Working Group**

No activities received.

➤ **Cattle Housing Working Group**

In June 2009, the WG met in Lille for 3 days from 15th to 17th June. Heiko Georg from Germany, Bob Graves from USA, Ludo Van Caenegem from Switzerland, Joop Lensink from France, Tom Ryan from Ireland, Michael Ventorp from Sweden, Paolo Zappavigna from Italy and WG Chair Josi Flaba attended the meeting. On Monday and Tuesday the WG have had discussions about the chapters of the report entitled “The design of dairy cows and replacement heifers housing”. On Wednesday the WG visited 3 farms in the Region Nord – Pas-de-Calais.

The WG plans to have a last review of the chapters in Lille in October 2009 and to present a final version during the World Congress of the International Commission of Agricultural Engineering in Québec City (Canada) in June 2010.

➤ **Water Management & Information Systems Working Group**

The WG met in Iguassu Falls, Brazil, on the occasion of the 2008 CIGR International Conference of Agricultural Engineering, on September 2, 2008, and was attended Prof. Da-Wen Sun, CIGR Section 1 Chairman Jose M. Tarjuelo, WG Chairman Antonio Brasa Ramos, and other relevant members of the CIGR community, Pat Taylor and Gerrit-Jan Carsjens.

The meeting discussed the organization and activities of the Water Management & Information Systems Working Group (chaired by Antonio Brasa) and the Land Use and Landscape Planning Working Group (formerly chaired by Hubert van Lier), and proposed that both working groups should be joined together into a new chair structure that will be approved at the next meeting. The meeting agreed to strengthen links to CIGR Sections 1 and 7, and the new working group should have its own specific focus and aims, although closer to CIGR Section 1.

The Working Group will commit the following activities:

- The forthcoming activities of this WG will aim to contribute to the EnviroWater Conferences sponsored by CIGR Section 1.
- WG members should use their networks to identify relevant scientists and practitioners working in these areas, and that should be invited to participate in the EnviroWater conferences.
- A general objective of the WG will be to identify knowledge gaps in these areas.
- Licensing was suggested as a potential tool to strengthen the position of the CIGR Section 1 board and the WG.
- To create an internet forum to discuss on these themes.
- The WG will discuss and evaluate its mission statements, objectives and scope during the next meeting.

- The WG will organize an evaluation and discussion session at the end of each EnviroWater conference to identify interesting new research and conference themes.

The next WG meeting will be held on Marrakech, Morocco, 8 November 2009, on the occasion of the 12th EnviroWater Conference.

➤ **Agricultural Engineering University Curricula Harmonization Working Group**

The last report about the activities of ERABEE Thematic network was published on the last issue of EurAgEng Newsletter of Spring 2009. The Thematic Network Education and Research in Agricultural or Biosystems Engineering in Europe (ERABEE-TN) was established to develop further the output of the previous Thematic Network University Studies of Agricultural Engineering in Europe (USAEE-TN). The goals are to adapt and restructure the Agricultural Engineering programme of studies and to contribute to the transition from traditional Agricultural Engineering studies towards a new European dimension in higher education in the broader area of Biosystems Engineering.

The tasks of the first ERABEE meeting, held in Madrid in April 2008, were to specify the main characteristics, and give a definition of the emerging Biosystems Engineering discipline. The 25 European partners also reported on any recent developments in each country, taking into account that 81% of the countries have study programmes or specialisations in Agricultural Engineering.

The tasks of the second ERABEE meeting, held in Dublin in October 2008, were to update and expand the scope of Biosystems Engineering programmes of studies, placing emphasis in the areas of bio-fuels, bio-materials and quality of products.

➤ **Rural Landscape Protection and Valorisation Working Group**

International meeting about Rural Landscape Protection and Valorisation Working Group is yet to be planned. The WG has 11 Japanese members who are interested in Rural Landscape Protection and Valorisation, and it has some meetings in Japan and is planning about publication of Rural Landscape Protection and Valorisation. It is hoped that international members will soon join the WG for enhancing international cooperation in the area.

➤ **Image Analysis for Agricultural Processes and Products Working Group**

The most important activity of this newly created WG is the 1st International Workshop on Computer Image Analysis in Agriculture which was held on 27-28 August 2009 in Potsdam, Germany (<http://www.atb-potsdam.de/CIGR-ImageAnalysis/workshop09.htm>). Invitations have been sent all over the world to researchers for joining the Workshop. The workshop programme includes 12 oral and 10 poster presentations from researchers in 12 countries plus private enterprise presentation. The workshop for discussing the future aims of the WG was attended by some 30 researchers, while currently the Working Group has around 150 registered members.

*Professor Da-Wen Sun
Coordinator of CIGR Working Groups*

The Minutes of CIGR Section IV Board Meeting

1 September 2009

Gödöllő, Hungary

The Technical Board Meeting of CIGR Section IV, 'Energy in Agriculture', began at 13:45 and concluded at 15:00 on 1 September 2009 in Gödöllő, Hungary, at the Szent István University Faculty of Mechanical Engineering.

During the meeting, the following agenda was discussed.

Board Meeting Agenda

1. Retirement of President Prof. Dr. Mikio Umeda
2. Election of an Executive President of CIGR Section IV
3. Preparation of the elections of 2010
4. Next symposium of the CIGR Section IV
5. Date and location of the next Section Board meeting
6. Discussions
7. Closing

Minutes

- 1) The first issue was the retirement of Board Chairperson Prof. Dr. Mikio Umeda. Thanks were expressed for his contributions to Section IV's studies during his management period.
- 2) During this Board Meeting, Prof. Dr. Zoltán Sibalszky was elected as Executive Chairperson for the time period until the next Elections in Quebec, which will take place at the CIGR World Congress in June 2010. At that time, a

new Board and a new Chairperson of Section IV will be elected for the 2010-2013 term.

- 3) Prof. Dr. Janusz Piechocki was proposed as the next Chairperson of CIGR Section IV to be selected at the elections in Quebec.
- 4) The Section Board made propositions for the election in Quebec of the new Board of Section IV for the 2010-2013 term. Dr. Károly Petrócki will be the Board's new member. He is a member of the Hungarian National Committee of CIGR and Head of the Department of Metrology on the Faculty of Mechanical Engineering at Szent István University in Gödöllő, Hungary.
- 5) The date and place of the next CIGR Section IV Symposium will be determined by a survey of Board members conducted via e-mail in October 2009. After a discussion, it was decided that the theme of next Symposium should be 'Energy from Agriculture'.
- 6) The next Board meeting will be held in Quebec, Canada during the CIGR World Congress. Upon requests of the members, another Board Meeting will be held in Istanbul, Turkey during the International Congress.
- 7) The Board of CIGR Section IV decided to give its support to the 11th International Congress on Mechanization and Energy in Agriculture, which will be held in Istanbul, Turkey, on 21-23 September 2010. This event will be organized by Namik Kemal University, Faculty of Agriculture, Department of Agricultural Machinery.

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

4. CIGR SUPPORTED ACTIVITIES

Report of the XXXIII CIOSTA-CIGR V Conference

'Technology and Management to Ensure Sustainable Agriculture, Agro-Systems, Forestry and Safety', Reggio Calabria, Italy

The XXXIII CIOSTA-CIGR V Conference on 'Technology and Management to Ensure Sustainable Agriculture, Agro-Systems, Forestry and Safety' was held at the University Mediterranea of Reggio Calabria from 17 to 19 June 2009. The event was organized by Profs. Gennaro Giametta and Giuseppe Zimbalatti, the Ciosta President and Coordinator, respectively, in concert with Prof. Pietro Piccarolo, Chairperon of CIGR Section V, and with the support of other prestigious scientific organisations that promote research in this field, including CIGR, EurAgEng, and AIIA. During the Conference, a IUFRO workshop (Unit 3.06.00) refereed by Prof. Zimbalatti, regarding 'forestry utilization in the Mediterranean countries with particular respect to sloping areas', was held. The guests who took part in the conference numbered more than 300 with a total of 400 reports, which represent the future of the experts in the field. The first meeting was held on the evening of 16 June. All of the guests gathered in order to be welcomed by the organizers and by the city. They partook in an ice-breaking dinner offered by the Government of Reggio Calabria, held in the city

promenade that faces the Straits of Messina, described as 'the finest mile in Italy' by Italian poet Gabriele D'Annunzio.

On the morning of Wednesday 17 June, the opening ceremony was held at the Faculty of Agriculture; it was introduced by Professor Giametta, in the presence of all of the institutional authorities of Calabria. Next began the opening scientific session, introduced by Professor Zimbalatti. The most important members of the promoting associations took part: these were Søren Pedersen (CIGR President) and Antonino Failla (AIIA President, Italy).

During this phase, two of the world's most important experts, Naoshi Kondo and Masami Shiba from Japan, respectively reported on robotics in agriculture and on the problems linked to the globalization of the wood row. On Wednesday afternoon and Thursday until the Conference closing ceremony at the Faculty, the referees split up into oral and poster sessions, which were divided into 15 themes, in order to discuss the latest innovations in the field of agro-forestry mechanization and systems with the consequent aspects concerning safety, environmental protection, and work organization. 942 authors from 60 countries and five continents contributed to the Proceedings of the Conference volume (2368 pages). The 393 papers (161 oral presentations and 232 poster presentations) were categorized under the following topics:

1. Processing and Post-Harvest Technology and Logistics
2. Protected Cultivation and Greenhouse Technology
3. Systems Engineering and Management, Traceability

4. Harvest and Road Network Planning in Mountainous Terrain
5. Protection, Harvesting, and Automation Technology
6. Information Systems and Precision Farming
7. Power and Machinery, Tractors, Tillage, Fertilising and Plants
8. Renewable Energy and Energy Efficiency
9. Fruit and Vegetable Cultivation Systems
10. Emerging Industrial Products and Marketing Service Systems
11. Safety and Health in Agro-forestry and Agro-food Systems
12. Land and Water Use
13. Environmental Protection
14. Open Topics
15. IUFRO (Unit 3.06.00) Workshop on forestry utilization in the Mediterranean countries with particular respect to sloping areas—Forestry Mechanization and Wood Technology.



The Participants of XXXIII CIOSTA-CIGR V Conference,
Reggio Calabria, Italy

Many of these were the field experiences of the delegates, who came from all corners of the earth. See the 'techinc-gastronomic appendix' of the first day with a demonstration of the agricultural machines produced by the De Masi Factory, one of the Calabrian 'excellences', with dinner at the Uliveto Principessa Resort in Cittanova. There were numerous occasions for cultural exchange as well, including a visit to the National Museum of Magna Grecia in Reggio Calabria. The whole delegation was also received at the Palazzo Foti by the President of the Provincial Council, Giuseppe Giordano, and by Councillor Antonio Scali, who congratulated the delegation on the great success of the Conference. There was also a tour of the wonderful landscapes of the Costa Viola and the olive-grove scenery in the Grecian Area, with refreshments at the Capogreco Olive Oil Factory, another of Calabria's excellences. In addition, a parallel tour through the National Park of Aspromonte, brought about with the support of the National Forester Corps, was greatly appreciated by all of the Conference participants.

The next XXXIV Ciosta Conference, on 'Efficient and safe production processes in sustainable agriculture and forestry', will be held in Vienna from 29 June–1 July 2011.

Dr. Gennaro Giametta,

*Prof. Pietro Piccarolo,
Prof. Giuseppe Zimbalatti*

4th International Scientific Conference TAE 2010

Trends in Agricultural Engineering
7-10 September 2010, Prague, Czech Republic
<http://www.conference.cz/TAE2010>

4th International Scientific Conference TAE2010 (Trends in Agricultural Engineering) will be held in 7-10 September 2010 in Prague, Czech Republic.

Sixteen years of the conferences on the trends in agricultural engineering represent the years of changes in this discipline. At the beginning of this period the main domain of the discipline consists mainly in improving of the agricultural machinery, development of automation and robotics. Now, the main role consists in detection of the product quality and in developing of the agricultural technologies more precise and friendly related to environment.

Conference Venue: Czech University of Life Sciences, Faculty of Engineering (Ronud hall), Kamycka 129, 16521 Prague 6 - Suchdol, Czech Republic

Language: The official language of the conference will be English.

Topics:

- * Precision Farming
- * Physical Methods in Agriculture
- * Renewable Energy Sources
- * Fuels for the Future
- * Soil Management and Protection
- * Materials and Manufacturing Technologies for Agriculture
- * Information and Controlling Technology
- * Others

Registration Fees:

by 30 June, 2010 ; after 30 June, 2010

Full participant EUR 250; EUR 300

Student EUR 150 ; EUR 200

Accompanying person EUR 80 ; EUR 80

Social Events:

-Tuesday, September 7, 2010, 18:00 – 20:00

Welcome party (Round Pavilion – conference venue)

-Wednesday, 8 September, 2010, 18:00 – 19:00

Concert (Round Pavilion – conference venue)

-Thursday, 9 September, 2010, 19:00 – 22.00

Steamboat farewell party on Vltava river

Included in the registration fee of full participants, students and accompanying persons.

Important Dates:

Preliminary registration:, March 30, 2010

Registration:, June 20, 2010

Abstract:, May 20, 2010

Paper:, June 20, 2010

Fee Payment:, June 30, 2010

Conference Secretariat: Conference Partners

Sokolská 26, 120 00 Prague 2, Czech Republic

Phone/Fax : + 420 224 262 108 - 9

Phone: + 420 608 408 708

E-mail: conference@conference.cz

*Prof. Martin Libra
Vice dean for science and research of Czech University*

5. OTHER ACTIVITIES

Report of the Annual Meeting of the Representatives of the National Designated Authorities of the OECD Tractor Codes, Paris - 24-25 February 2009 (50th Anniversary, 1959-2009)

On the eve of the 50th anniversary of the foundation of the OECD Tractor Codes, the Annual Meeting of the Representatives of the National Designated Authorities of the 23 countries, i.e. 17 of the OECD Members and 4 countries which are not members of OECD adhere to the Codes, which are open to the Members States of the United Nations Organization, was held in Paris on 24-25 February 2009. In addition, representatives of EC, CEMA, CIGR, ISO, OECD, OECD Co-ordinating Centre (Cemagref) and two observer countries (Mexico and Brazil) participated as well.



Prof. Oleg Marchenko

The Secretariat opened the meeting and gave a brief report on the development since the 2008 Annual Meeting. The secretariat also distributed specially designed notepads and bookmarks that celebrated the 50th anniversary of the OECD Tractor Codes. Mr. Jones, Head of the Agro-food Trade and Markets Division of the OECD, congratulated all of the delegates for the excellent results of the In-Depth Evaluation of the Codes and Schemes. He reminded that the first Standard Code for the Official Testing of Agricultural Tractors was approved on 21 April 1959 by the Council of the OEEC (Organisation for European Economic Co-operation), which became the OECD (Organisation for Economic Co-operation and Development). This Code has since been extended to cover forestry tractors and other features of performance, safety and noise. More than 2750 tractor models have received performance test approval since the Codes were established in 1959. Furthermore, more than 10,800 variants of tractors were tested for noise measurement at the driving position, or in most cases, for the driver's protection in case of tractor roll-over; having satisfied the safety criteria of the Codes they have been released for trading nationally or internationally by the participating countries, notably Members States of European Union.

Mr. Hoy (US) was confirmed as Chair for next two years, and Mr. Lampel (Austria) as outgoing Chair. At the end of meeting, Mr. Liberatory (Italy) was elected as Chair-elect. The Secretariat presented reports of the Bureau Meeting and Coordinating Centre along with a more detailed presentation of the 2009-2010 budget adopted by the OECD Council. The major recent developments were extensively discussed. These included:

- Amendments in the 2009 OECD Tractor Codes;

- PTO test and Emission Control Technology;
- Energy efficiency classification of agricultural tractors;
- Technical Extension Procedure;
- Minimum mass of tractors tested according to Codes 6 and 7;
- Seat belt anchorage test;
- Improving the procedure for approval of test reports;
- Tender for the Coordinating Centre for 2010-2012;
- International developments EC, ISO, other Organizations;
- Harmonisation of the OECD/ISO testing procedure;
- Information portal of the OECD, OLIS Next and EMS

The International and National developments on testing and approval matters were presented by the delegates from:

- Brazil**, with an overview of their facilities and history in tractor testing;
- Turkey**, regarding the braking test according to OECD Code 2;
- Spain and France**, regarding the initiatives in their respective countries to classify tractors according to their energy efficiency;
- France**, regarding the testing of only the heaviest seat if an armrest with automatic control is added;
- Turkey**, through a video illustrating an investigation on the 'rear loading' in the seatbelt anchorage test;
- EC**, with an update on the progress of the ongoing process to simplify and improve the International Market Legislation;
- ISO**, regarding the results of the ongoing meeting with OECD (the implementation of the Memorandum of Understanding between the OECD and the ISO is leading to the harmonisation of OECD Codes with OECD/ISO Standards);



The Annual Meeting of the OECD Tractor Codes,
24 February, 2009

- Finland**, with an update on the activity of forestry tractors in relation with ISO activity;
- US**, regarding the process followed to harmonise Code 4 with ISO 5700;
- Russia**, regarding the current situation of the tractor industry and the decrease in annual production. The tractor fleet amounted to ~ 405,700 tractors in 2008. The current trend is toward more powerful tractors.

Meeting Schedule 2009/2010

1. Technical Working Group Meeting, 1-3 June, Spain
2. 15th Test Engineers' Conference, 21-23 September, Korea

3. Technical Working Group Meeting, 24-25 September, Korea
4. 2010 Annual Meeting on OECD Tractor Codes, 23-34 February, 2010, OECD, Paris
5. Turkey proposed to host one of the Technical Working Group Meetings, in 2010
6. Italy proposed to host another of the Technical Working Group Meetings, in 2010.

The information above can be found on the Tractor Website: www.oecd.org/tad/tractor

Additional information is available from OECD: Mr. Michael Ryan, Head of Unit TAD/COD/OECD, Marshall Building 5063, 2 Rue Andre-Pascal, 75016 Paris, France, Tel: +33 1 45 24 8558; Fax: +33 1 44 30 6117; E-mail: Michael.RYAN@oecd.org or Tractor website: www.oecd.org/tad/tractor.

In addition, the information can be obtained from the representatives of CIGR and the Russian Federation in OECD Tractor Codes: Prof. Oleg Marchenko, 1st Institutskaya str., 5, room 303, Moscow, 109428 Russian Federation; E-mail: Oleg.072000@mail.ru.

*Prof. Oleg Marchenko
the representatives of CIGR and Russian Federation in
OECD Tractor Codes*

Debris Flow 2010

Third International Conference on debris flow 24 - 26 May 2010, Milano, Italy

<http://www.wessex.ac.uk/10-conferences/debris-flow-2010.html>

Debris and hyper-concentrated flows are among the most frequent and destructive of all water related processes. They mainly affect mountain areas in a wide range of morphoclimatic environments and in recent years have attracted more and more attention from the scientific and professional communities, and concern from the public, due to the increasing frequency with which they occur and the death toll they claim.

This conference follows the success of the first meeting held in Rhodes, Greece (2006) and New Forest, UK (2008).

Conference 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
- Other mapping and vulnerability
- Cut and shape failure
- Sediment sources
- Structure and non-structural measure
- Field tests

Organisers:

Wessex Institute of Technology, UK
University of Milano, Italy

Supported by: The Lombardy Region, Italy

Conference Chairmen

D De Wrachien, *University of Milano, Italy*
C A Brebbia, *Wessex Institute of Technology, UK*

Conference Secretariat

Rachel Swinburn, Conference Manager, Debris Flow 2010
WESSEX INSTITUTE OF TECHNOLOGY
Ashurst Lodge, Ashurst, Southampton, SO40 7AA, UK
Tel: + 44 (0) 238 029 3223, Fax: + 44 (0) 238 029 2853
Email: rswinburn@wessex.ac.uk

FRIAR 2010

Call for paper

Second International Conference on Flood Recovery Innovation and Response 28 May 2010, Milano, Italy

<http://www.wessex.ac.uk/10-conferences/friar-2010.html>

Flooding is a global phenomenon that claims numerous lives worldwide each year. In addition, many more people must endure the homelessness, disease and crop failures that are left in the wake of floods. The increased frequency of flooding in the last few years, coupled with climate change predictions and urban development, suggest that these statistics are set to worsen in the future. When flooding occurs in populated areas, it can cause substantial damage to property as well as threatening human life.

The conference has been reconvened following the success of the first meeting held at the Institute of Civil Engineers in London in 2008.

Conference 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

Conference Secretariat

Claire Shiell, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, SO40 7AA
Tel: 44 (0) 238 0293223, Fax: 44 (0) 238 0292853
E-mail: cshiell@wessex.ac.uk

Organised By: University of Milano, Italy; Politecnico di Milano, Italy; Wessex Institute of Technology, UK; University of Wolverhampton, UK

Supported By: The Lombardy Region

Conference Chairpersons

D De Wrachien, *University of Milano, Italy*
D Proverbs, *University of Wolverhampton, UK*
C A Brebbia, *Wessex Institute of Technology, UK*
S Mambretti, *Politecnico di Milano, Italy*

6. PUBLICATIONS

Agricultural Engineering International The CIGR Ejournal

Prof. Fedro Zazueta, Acting Editor-in-Chief

ISSN 1682-1130

Send manuscripts for peer review to –
www.CIGRjournal.org

Since OJS' implementation, the CIGR Ejournal the number of manuscript submissions continues to increase. The table below shows the statistics for the CIGR Ejournal since the beginning of this year.

Table: 2009 Statistics for the CIGR Ejournal (January –September)

Issues	published 1
Items	published 36
Total submissions	207
Peer reviewed	72
Accepted	44 (61%)
Declined	28 (39%)
Resubmitted	28 (43%)
Days to review	57
Days to publication	78

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

Note that from January through September of this year, 207

manuscripts were submitted. The average time to conduct a review and publish a manuscript is less than 80 days. This is an increase from 60 days due to the large number of submissions. In addition, the acceptance rate for the CIGR Ejournal is about 60%. To reduce the time from submission to publication, the most important issue is to increase the number of members who are willing to conduct reviews in a timely manner. Currently, the reviewer database in the journal contains 1240 entries. If you have not registered in the CIGR Ejournal, please do so by going to the Website and registering as an author and reviewer.

Fedro S. Zazueta

Editor-in-Chief of CIGR Ejournal

Book: Dam-Break Problems, Solutions and Case Studies

This book was published by the WITPress, with the support of CIGR Section I (<http://www.cigr.org/news.htm>).

Edited By: D. De Wraechien, State University of Milan, Italy and S. MAMBRETTI, Politecnico di Milano, Italy,

Price: £128.00, ISBN: 978-1-84564-142-9, Pages: apx 336, Published: 2009, Hardback; The aim of the book is to give an up-to-date review on dam-break problems, along with the main theoretical background and the practical aspects involved in dam failures, design of flood defense structures, prevention measures and the environmental social, economic and forensic aspects related to the topic.

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>Postharvest 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:

CIGR GENERAL SECRETARIAT

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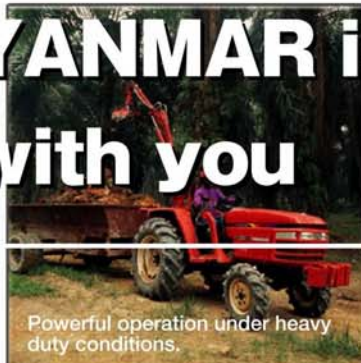
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