



International Commission of Agricultural and Biosystems Engineering

CIGR

*Newsletter
Quarterly*

**Newsletter No. 111
December 2017**

*Since 1930
87 Years of CIGR*

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Commission Internationale du Génie Rural (CIGR)

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

1. CIGR NEWS

Call for candidates for the Next President of CIGR (2019-2020)

CIGR will invite a candidate for the next Incoming President (2019-2020) who will start his/her term in 2021-2022. Next President will be elected by voting at least 2 months before the Congress 2018 in April. A candidate may file an application with the CIGR Secretariat before 31 January 2018.

Final reports from the Secretary General

Dear Colleagues

I am pleased to send you the CIGR Newsletter No.111 which is the last one of our term.

My term as CIGR Secretary General will be finished at the end of December 2017. I am glad that I had a chance to visit next Secretary General who is Prof Fedro S. Zazueta at the University of Florida in Gainesville between 26 and 29 October 2017. The purpose of my visit was to transfer CIGR business and have a face to face explanation about our procedure and management, including CIGR Budget, Account, Selection of the candidates, Election, Editing of the Newsletter.



Right: Next Secretary General, Prof Fedro S. Zazueta and Left: Secretary General, Prof Mikio Umeda

New Secretary General:

Prof Fedro S. Zazueta at the University of Florida
Office of Academic Technology
1012 Turlington Hall, PO Box 117345
Gainesville, FL 32611-7345
e-mail: fsz@ufl.edu

During my stay at the university I gave a lecture about "SMART FARMING in JAPAN" at the Department of Agricultural and Biological Engineering to collaborate and share knowledge between the university and CIGR. My lecture introduced the history of Japan's Agriculture after World War II and the its recent condition.



Prof Umeda gave a lecture at Department of Agricultural and Biological Engineering of the University of Florida

During my term as Secretary General, I made many friends in several regions and countries. In addition, I experienced a lot of things and I really knew the world was wide.

In 2015, I could give the address from CIGR at 70th Anniversary of the University of Russe "Angel Kanchev" with about 3000 attendee in Bugaria.



70th Anniversary at the University of Russe in Bulgaria

I visited Saint Petersburg in Russia in 2015, Aarhus in Denmark in 2016 and Stellenbosch in South Africa in 2016. In 2017, I am pleased that PSAE (Philippine Society of Agri. Engrs.) and NIAE (Nigerian Institute of Agri. Engrs) joined CIGR.

I appreciate the work of my staff as the secretariat. They did their jobs to the best of their ability. I also appreciate of the CIGR members for their unwavering support. I would love to keep in touch with you all.

Finally I wish you all a happy and prosperiou new year.

With best regards,

*Prof. Mikio Umeda
Secretary General of CIGR*

CIGR World Congresses and Internatinal Conferences, 2018–2024

Call for participants to the 6th CIGR International Conference 2024

CIGR will invite interested parties to supply the venue for the 6th CIGR International Conference 2024. It will be decided at CIGR XIX World Congress on 22 April 2018 in Kyrenia, Cyprus. Those interested may send their offers to the CIGR Secretariat before 30 March 2018.

For queries, you may send an email to The Secretary General of CIGR, Prof. Fedro S. Zazueta email: fsz@ufl.edu

The XIX CIGR World Congress 22-26 April 2018, Kyrenia, Cyprus

The above conference will be decided in XIX CIGR World Congress during the CIGR General Assembly held in Valencia, Spain on 9 July 2012, Turkey was elected to host the XIX CIGR World Congress.

Being held in Kyrenia, Northern Cyprus in April 2018, this congress is the most important and the largest event for the International Community of Agricultural and Biological Engineers. It will be an excellent opportunity to present your current studies, discuss new ideas, technologies, processes, application experiences and machines. Also, to develop new collaboration with academics, researchers, developers, engineers, experts, students and practitioners.

The Organizing Committee (consisting of Turkish Chamber of Agricultural Engineers, Akdeniz University and Ege University) is now actively preparing to ensure the success of this congress. The main theme of the congress is “Sustainable Life for Children”. And the keynote speakers of the congress are Prof. Linus Opara (South Africa), Prof. Margarita Ruiz Altisent (Spain), Prof. Istvan Szabo (Hungary) and Prof. Mikio Umeda (Japan).

During this World Congress you will have also the opportunity to experience Turkish culture and daily life. The congress

venue is a family friendly resort venue, so, you can consider bringing your family.

A detailed travel guide, including the official airline discount code information, alternative flight routes, visa requirements, airport transfers, and other information is on the congress website. Please refer to it before making your travel plans.



CIGR’s next Secretary General Prof. Fedro S. Zazueta and Prof. Patrizia Busato from the Section VII Board have conducted a visit to the congress venue, Elexus Resort Hotel in Kyrenia by the end of November, had a meeting with the congress organizers and inspected the facilities in Kyrenia, Northern Cyprus and in Elexus Hotel (Above photo).

Preliminary program

- Day 0, 22 April: CIGR Business meetings
Presidium, Executive Board, the meetings of Technical Sections and Working Groups.
- Day 1-3, 23-25 April: Scientific programme
- Day 4, 26 April: Technical tour (included in registration fees)
- Day 5-8, 27-30 April: Post-congress tours

TIME	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5 - 8
07:30 - 08:00		REGISTRATION	REGISTRATION	REGISTRATION		
08:00 - 08:30			KEYNOTE SPEAKER	KEYNOTE SPEAKER		
08:30 - 09:00		OPENING CEREMONY				
09:00 - 09:30			ORAL SESSION	ORAL SESSION		
09:30 - 10:00						
10:00 - 10:30		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK		
10:30 - 11:00						
11:00 - 11:30		ORAL SESSION	ORAL SESSION	ORAL SESSION		
11:30 - 12:00						
12:00 - 12:30		LUNCH	LUNCH	LUNCH		
12:30 - 13:00						
13:00 - 13:30		POSTER SESSION	POSTER SESSION	POSTER SESSION		
13:30 - 14:00	REGISTRATION				TECHNICAL TOUR	
14:00 - 14:30		ORAL SESSION	ORAL SESSION	ORAL SESSION		
14:30 - 15:00						
15:00 - 15:30		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK		
15:30 - 16:00						
16:00 - 16:30		ORAL SESSION	ORAL SESSION	ORAL SESSION		
16:30 - 17:00						
17:00 - 17:30		POSTER SESSION	POSTER SESSION	CLOSING CEREMONY		
17:30 - 18:00			AWARD CEREMONY			
18:00 - 18:30						
18:30 - 19:00						
19:00 - 19:30						
19:30 - 20:00						
20:00 - 20:30			GALA DINNER			
20:30 - 21:00	WELCOME PARTY					
21:00 - 21:30						
21:30 - 22:00						
22:00 - 22:30						
22:30 - 23:00						

Please visit the Preliminary Program page on the congress website www.cigr2018.org/scientific/preliminary-program for the details.

For more information about the congress:

Please visit the congress website (www.cigr2018.org), and/or the social media accounts of the congress (Facebook: CIGR2018 / Instagram: CIGR2018 / Twitter: CIGR2018)

For queries, you may send an email to:

Prof. Can Ertekin of Akdeniz University, Co-Chair of the Organizing Committee: ertekin@akdeniz.edu.tr

The 5th CIGR International Conference 2020 Integrating Agriculture and Society through Engineering 14-17 June 2020, Quebec, Canada

During the CIGR General Assembly in Beijing, China on 17 September 2014, Quebec was approved to host the 5th CIGR International Conference.

The Conference will be held on 14-17 June, 2020 in Quebec, Canada.

Program overview

14 June (Sun): Registration and welcome reception
15 June (Mon): Opening ceremony, Technical sessions and Cruise on the St.-Lawrence River
16 June (Tue): Plenary session, Technical sessions and CIGR Awards Ceremony
17 June (Wed): Technical sessions and closing ceremony

Congress venue: The Quebec Convention Centre

For queries, you may send an email to the Organizer and/or Local Committee Chair at the following email addresses: stephane.godbout@irda.qc.ca

The XX CIGR World Congress 2022 5-9 December, Kyoto, Japan

During the 4th CIGR International Conference in Aarhus, Denmark, the Executive Board meeting on 25 June 2016 was suspended to decide on the next host country and trust Presidium. At the Skype Presidium meeting on 6 December 2016, Japan was chosen to host the XX CIGR World Congress 2022.

The organizing committee (Chair, Prof Noboru Noguchi of Hokkaido University), Executive Committee (Chair, Prof Hiroshi Shimizu of Kyoto University), other council and board were established in April, 2017. The Congress will be held at Kyoto International Conference Center on 5 - 9 December 2022 in Kyoto, Japan.

Tentative program

Day 0, 5 December (Mon): CIGR Business meeting, registration and welcome reception
Day 1, 6 December (Tue): Opening ceremony, Oral sessions and Poster session
Day 2, 7 December (Wed): Keynote Speech. Oral sessions, Poster session, CIGR Awards Ceremony, and Dinner
Day 3, 8 December (Thu): Keynote Speech. Oral sessions, General assembly, and Closing ceremony
Day 4, 9 December (Fri): Technical tour

Congress venue: Kyoto International Conference Center

For queries, you may send an email to Chair of Organizing committee
Prof. Noboru Noguchi of Hokkaido University
email: noguchi@bpe.agr.hokudai.ac.jp

Chair of Executive committee
Prof Hiroshi Shimizu
email: hshimizu@kais.kyoto-u.ac.jp

2 CIGR Supported Activities

Report on CIGR Workshop organized by CIGR WG PFIG 2-5 September 2017, Ehime and Osaka, Japan

CIGR Working Group “Plant Factory and Intelligent Greenhouse (PFIG)” was approved at the 4th CIGR International Conference in Aarhus/Denmark in 2016. The WG PFIG and Ehime University were pleased to invite distinguished guests including, Prof Elebart van Henten and Dr. Esteban Baeza of Wageningen University in the Netherland, Prof Antony Dodd of Bristol University in UK, Prof Dongxian He of China Agricultural University in China, Prof Sun Ok Chung of Chungnam National University in Korea, and several Japanese experts. The workshop included three activities as follows.

- 1) Science Council of Japan Opening Forum “ICT on Plant Factory and Intelligent Greenhouse on 2 September at Ehime University.



Left: SCJ Opening Forum,
Right: Chair of SCJ, Prof Takashi Onishi

- 2) CIGR Workshop Organized Session on 3 September at Ehime University



Gala dinner with traditional dancers at Ehime University

- 3) International Seminar at the Plant Factory Research Center (PFC) at Osaka Prefecture University on 5 September.

Workshop 1) was to introduce citizens (60 participants) the recent research.

Workshop 2) attended by the total of 70 participants was to exchange research results, scientific ideas at the normal topic session.

Workshop 3) was to introduce and discuss recent research results to the professional engineers of private companies. 80 participants attended.

The famous researchers presented the practical implementation concerning PFIG. The attendees were pleased to learn from the famous researchers' cutting-edge technology and latest research results. Even more important was the exchange of knowledge and the promotion of the research.

The activities of CIGR Working Group PFIG were succeeded.



CIGR Tour on 4 Sept. Members at Himeji Castle
From left: Prof Takayama, Mr Kitagawa, Prof Henten, Prof Umeda, Dr Baeza, Prof Dodd, Prof He, Prof Chung, Prof Fukuda, Mr Sato and Ms Isoyama

On 4 and in the morning, 5 September, the members of CIGR WG moved from Ehime to Osaka and visited Iseki Agricultural Machinery Co. in Emime, Yanmar Co. Bio-Innovation Center Kurashiki Laboratory in Okayama, and Kyowa Co. Hydroponics in Green House at Takatsuki in Osaka.

Secretary General, Prof Miki Umeda and Assistant to Secretary General, Prof Makoto Hoki visited Iran

Iran is one of the active member countries of CIGR, but only a few CIGR connected persons have visited the country. Communication between Iran and CIGR is not sufficient. Associate Prof Hossein Navid at the University of Tabriz and SG Umeda met at CAFEi2016 (International Conference on Agriculture and Food Engineering) at University Putra Malaysia in August 2016. They talked about the exchange among Iran and CIGR.



From right, Dr. Navid, SG Umeda, Director of DARI, Dr Golkari, Prof Hoki and Researchers at Dryland Agricultural Research Institute, Iran

In 2017, Dr Navid invited SG Umeda and Prof Hoki at the University of Tabriz in Tabriz in November and arranged for them to visit AERI (Agricultural Engineering Research Institute) in Teheran that is Iranian National Member Organization of CIGR.

First, SG Prof Umeda and Prof Hoki visited Dryland Agricultural Research Institute on 14 November. The Japanese do not often observe dryland farming.



Conference on Precision Agriculture at the University of Tabriz

On 15 November, they attended the Conference on Precision Agriculture at the university as keynote speaker. The Vice Minister of the Ministry of Agriculture of Iran, the President of the university and about 100 persons

participated in the conference. Prof Umeda and Prof Hoki presented “Precision and Smart Agriculture” and “Biomass, Gasification and Power Generation”. TV crews and newspaper reporters covered the event. In the evening, the roles and objects of the conference including SG Umeda’s interview were broadcasted.



Seminar at AERI

They were transferred from Tabriz to Teheran on 16 November and they visited AERI (Agricultural Engineering Research Institute) on 17 November. They were the speakers at a Special Seminar at AERI in the morning.

In the afternoon, the director of AERI and Secretary General of CIGR talked about the corporation and collaboration between the organizations, the improvement

Finally, representatives of AERI and CIGR signed a Memorandum of Understanding of the roll of AERI in Iran, and payment of CIGR membership fee. Iran would invite the CIGR Conference or Congress, and SG Umeda gave suggestions



From right, Dr. Momen, SG Umeda, Director of AERI, Dr Abbasi, Prof Hoki and Dr Gazor

CIGR Technical Section Boards (2015-2018)

Section I:	<i>Land and Water</i>	Chair: Gerrit J. Carsjens (Netherland)
Section II:	<i>Structures and Environment</i>	Chair: Álvaro Ramírez-Gómez (Spain)
Section III:	<i>Plant Production</i>	Chair: Qin Zhang (USA)
Section IV:	<i>Energy in Agriculture</i>	Chair: R.Cengiz Akdeniz (Turkey)
Section V:	<i>System Management</i>	Chair: Remigio Berruto (Italy)
Section VI:	<i>Bioprocesses</i>	Chair: Amauri Rosenthal (Brasil)
Section VII:	<i>Information Technology</i>	Chair: Seishi Ninomiya (Japan)

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

CIGR GENERAL SECRETARIAT

Professor emeritus Dr. Mikio Umeda, Secretary General

Professor emeritus Dr. Makoto Hoki, Assistant to Secretary General

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