



International Commission of Agricultural and Biosystems Engineering

CIGR

Newsletter Quarterly

**Newsletter No. 99
July 2013**

*Since 1930
83 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 CIGR Journal, an Effective Platform to Rapidly Disseminate Your Latest Research Results

One of the CIGR obligations is to promote the development of the world agricultural and biosystems engineering profession. It has been becoming increasingly clear that a best way to achieve this is to improve the quality and popularity of CIGR Journal, which is one of the main platforms and information dissemination window of CIGR with large audiences in the area of agricultural and biosystems engineering around the world. For this reason, my CIGR colleagues have made a great effort to improve the efficiency of submitted manuscripts reviewing, editing and publishing as well as the scientific level of CIGR Journal.



Prof. Da-Wen Sun

CIGR Journal was initiated in 1999 under the leadership of Honorary President Prof. Bill Stout. From then on, it has become one of the most important technical publications of CIGR. CIGR Journal is an international peer-reviewed open access journal and its main goal is to develop into a professional journal equal to the best in the field of agricultural and biosystems engineering in the world. However, the road to achieve this goal is tortuous and requires continuing effort. As might be expected, CIGR Journal encountered growing pains during its development. On April 7th, 2010, after an Inauguration Ceremony, the Journal was transferred to China. The new Editorial Office of the Journal moved to Chinese Academy of Agricultural Mechanization Sciences (CAAMS), Beijing, China. CIGR together with the Chinese Society for Agricultural Machinery (CSAM) and Chinese Society of Agricultural Engineering (CSAE) are now the official hosts of it. The current Editor-in-Chief, Professor Zhang Lanfang, has further refined the manuscript processing and review procedures. The number of Section Editors has been increased to accelerate the review process. The Open Journal System (OJS) registration process seeks to identify the area of expertise of potential reviewers so that submission topics and reviewer expertise can be matched more closely, thus leading to more effective critical reviews and quality of the final manuscript. A team of editorial assistants work under the leadership of Professor Zhang to further refine the editorial process and contribute to higher quality publications. Currently, the Journal has a standardized working mechanism and strict timetable for the editorial process. Their great efforts have taken CIGR Journal into a brand-new stage. CIGR Journal now has 20 section editors and over 1500 reviewers with specific responsibilities concerning a wide variety of engineering

topics. Over 900 papers in 15 volumes have been published since 1999. Starting in 2010, CIGR Journal publishes quarterly, with four issues per year.

I strongly believe that the future is bright for CIGR Journal and I look forward to seeing it become a most successful and prestigious Journal with high quality papers in the area of agricultural and biosystems engineering in the world. I therefore sincerely hope that members of the CIGR community will continue to give your full support, and would also like to express my grateful appreciations to all working staff and most importantly, you, the authors and reviewers for your valuable contributions.

*Prof. Da-Wen Sun
President of CIGR*

Message from the Secretary General

Dear Colleagues,

I am pleased to send you the CIGR Newsletter No.99. It means that the commemorable No.100 issue is just around the corner. We, Presidium Members and General Secretariat, are discussing plans to make the issue very special.



Prof. Toshinori Kimura

Although we don't have any large-scaled event like world congress or conference, this year is very important for declaration of CIGR Election 2014, which involves nominations of next Incoming President and members of Executive Board and Section Boards, and for candidate nomination of CIGR Awards and Prizes. In this context, forthcoming CIGR Business Meetings, which schedule has been already announced many times through this Newsletter and CIGR Website, needs enough attendance of current Board Members. We will send the agendas to all the board members shortly. For your reference, the latest schedule of CIGR Business Meetings is posted below.

As mentioned in the Newsletter No.98, Presidium Members have been discussing about CIGR initiative and corporative ties with ASABE, EurAgEng, etc in the global scenes so Prof. Fedro Zazueta, Past President and Prof. Toshinori Kimura, Secretary General joined the Global Challenges Forum organized by ASABE held at Kansas City, USA on 22 July, 2013. There, we introduced CIGR missions and expressed our strong concerns about the situation which needs further promotion of international cooperation and the harmonization, as well as exchanged opinions and developed mutual understandings. The detail report will be submitted in later issue.

Finally, I have to give you sad news that two of our senior friends, Dr. Richard Hegg (USA) and Prof. Li Lite (China) passed away since the last issue. We posted memorial addresses in this issue to express our heartfelt sorrow over these two gentlemen.

Best regards,

Prof. Toshinori Kimura
Secretary General of CIGR

Schedule of 2013 CIGR Business Meetings

during the 5th International Conference; Trends in Agricultural Engineering 2013

Czech University of Life Sciences in Prague, Czech Republic

- 3 September (Tue), 2013
13:00-15:30 CIGR Presidium meeting
16:00-18:00 CIGR Executive Board meeting
- 5 September (Thur), 2013
17:00-19:00 CIGR Technical Board meeting
- On request CIGR Section Board I - VII meetings
CIGR Working Groups meetings

Call for CIGR Award Candidates 2014

Every two years CIGR awards the persons who have made valuable contributions to the development of CIGR. The next recognitions will be given at the next CIGR World Congress to be held in Beijing, China 16-19 September, 2014.

In accordance with the bylaws 'CIGR Awards and Prizes' of 2012, the CIGR awards fall within the following categories:

Awards:

1. CIGR Merit Award: The award is given to persons who have contributed in various positions to the successful work of CIGR. Candidates are presented by the Technical Section Boards and the CIGR Award and Prize Committee.
2. CIGR Honor Award: It is an Award established and managed by CIGR for CIGR ex-officers who made remarkable achievements during their mandate. The following titles as a special certificate may be granted:

Honorary President
Honorary Vice President
Honorary Member

Candidates are presented by the CIGR Presidium.

3. CIGR Fellow Award: The title CIGR Fellow is assigned to individuals, who have contributed and who continue

to contribute to the worldwide activity of CIGR. A candidate must have been active for at least ten years and played a key role for CIGR, and candidates are presented by the Technical Section Boards.

4. CIGR Recognition (Presidential Citation): The award is donated to persons recognizing their outstanding contribution to the success of CIGR over years. It can be granted as:

Certificate of Contribution
Certificate of Achievements
Certificate of Presentation

The persons or organizations must have made major contributions to the organization of CIGR World Congresses or International Conferences. Candidates are presented by the Congress or Conference organizers or other suitable persons.

5. CIGR National/Regional Awards: The national/regional association decides and proposes this to the CIGR Award and Prize Committee.

Prizes:

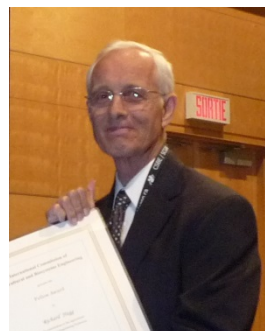
1. CIGR Armand Blanc Prize: It is granted to young authors (under 30 years) for presentation of outstanding papers. The candidates are selected by the Congress/Conference organizing committee in consultation with the CIGR Award and Prize Committee or its Chairperson.
2. CIGR Journal Prize: The prize is given to authors who have published excellent papers in the Agricultural Engineering International: The CIGR Journal of Scientific Research and Development. The candidates are selected by the CIGR Journal editor in cooperation with the seven CIGR Section editors in consultation with the CIGR Award and Prize or its Chairperson.

By this announcement we encourage you to send us your proposals for recipients before 31 December, 2013.

The application form for nominees can be obtained from the chairman of A&P Committee, Prof. Tadeusz Juliszewski.

Email: Tadeusz.Juliszewski@ur.krakow.pl

Commemoration of Dr. Richard Hegg



Dr. Richard Hegg

.Dr. Richard Hegg, USA passed away on 1 April, 2013. It was with the greatest sorrow and regret that we learned of the sudden passing of Richard. His contributions to the profession are widely known and his legacy will be long lasting. Richard revised CIGR Section and Workgroup system and chaired the Working Group on Information Systems that

resulted in the creation of the CIGR Section VII. He contributed to CIGR Handbook in the important area of sustainable and environmental engineering. He was awarded CIGR Honorary Member in 2000 and CIGR Fellow in 2010.

Through his professional work, Richard made significant contributions not only to CIGR but to individuals of all nations that benefited directly and indirectly from his work.

Richard Olaf Hegg

Richard Olaf Hegg was a national program leader for manure and nutrient management in the Institute of Food Production and Sustainability's Division of Agricultural Systems in National Institute of Food and Agriculture (NIFA), an agency within the U.S. Department of Agriculture (USDA).

He was born on October 23, 1943, in Volga, South Dakota, US. He graduated from South Dakota State University in agricultural engineering. He earned his M.S. from the University of Missouri and his Ph.D. from the University of Minnesota. He started working as an agricultural engineer for USDA's Agricultural Research Service in St. Paul, MN. He then moved into academia and spent 23 years at Clemson University where he taught and did research until he was selected to head the Agricultural and Biological Engineering Department. After retirement from Clemson University in 1998, he came to Washington, DC, to become a national program leader for agricultural engineering in the former Cooperative State Research Service. In 2002, he was honored as an Embassy Science Fellow at the American Embassy in Athens, Greece.

Commemoration of Prof. Li Lite

Prof. Li Lite of China Agricultural University, a world-renowned scientist engaged in food science and engineering passed away on May 27, 2013 at the age of 65.



Prof. Li Lite

Prof. Li dedicated all his life to improving the backward situation in China's rural areas by applying advanced technologies. He made indelible contributions to food processing and engineering in China and the whole world as well. Undoubtedly, his colleagues and

students will continue his research and scholarly example.

He is also the one who actively promoted the CIGR impact in China. Prof. Li served as the Chairmen of the Academic Committee of 2004 CIGR International Conference, Beijing, and Co-chair of the Organizing Committee. He was a member of Scientific Committee of CIGR World Congress 2014.

After graduating in agricultural mechanization from Northwest A&F University in 1981, Prof. Li Lite pursued his academic career at Hokkaido University in Japan and got his M. A. and Ph. D. there. Since 1989 after returning to China, Dr. Li Lite devoted himself to research and teaching at China Agricultural University and became a full professor in 1994. He was appointed the Vice President of China Agricultural University in October 1994 and has been the convener of food science and engineering of the Academic Degrees Committee of the State Council, P. R. China since 1997.

Prof. Li had long been engaged in accelerating the industrialization of Chinese traditional food by applying advanced technologies. The program "Key technology in the industrialization and application of thermostable xylanases" presided by him was presented the National Science & Technology Progress Award (Grade II) in 2011. The research of "Preparation of xylooligosaccharides from corncobs by enzymolysis" won the Second Prize of State Technological Invention Award in 2008.

In order to improve the safety of agro-products in China, Prof. Li was the first in China to develop the equipment of making electrolyzed water to prevent plant diseases. He designed the world's first natural cool resource storage house in Hebei, China, which can store 1200 tons of fruits and vegetables. Besides, he initiated the notion of "Food education" and made outstanding contributions in generalizing knowledge on nutrition and food safety for all the Chinese people.

*Prof. Li Shujun
President of*

*Chinese Academy of Agricultural Mechanization Sciences
(CAAMS)*

Executive Board Member of CIGR

CIGR World Congresses and International Conferences, 2014–2018

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

The 18th World Congress of the International Commission of Agriculture and Biosystems Engineering (CIGR) will be held in Beijing, China on September 16th to 19th, 2014. Under the energetic guide of the General Assembly of

CIGR, this Congress will remain faithful to the pattern established in past CIGR World Congresses, while incorporating innovative new elements to promote exchange and collaboration among agricultural engineers, and to offer a unique opportunity to present the results of research and to discuss important issues from a global perspective.

For global agricultural engineering scientists, engineers and other professionals seeking to expand their knowledge of the field and learn about the most up-to-date advancements and discoveries, the 18th World Congress of CIGR cannot

be missed. The special social and tour programs will also be arranged, it will give participants a wonderful taste of unique Chinese culture to entertain you and your family during and after the Congress. With tremendous support from CIGR, the Chinese Society for Agricultural Machinery (CSAM), the Chinese Society of Agricultural Engineering (CSAE), and many local, regional and international associations, the Organizing Committee will deliver the most dynamic and invigorating Congress to all of you.

The preparation has started smoothly and the Organizing Committee hereby is pleased to invite you and your association to join in this big event as much as you could. It is sincerely hoped that the 18th World Congress of CIGR in Beijing will bring all of participants together to share in the common goal of advancing and developing the field of Agricultural and Biosystems Engineering, and to provide a discussion forum on how to promote scientific and technological innovations in agricultural engineering into the new millennium.

SPONSORS

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

CO-SPONSORS

Asian Association for Agricultural Engineering (AAAE)
Agricultural Engineers Association (AEA) (England)
German Agricultural Society (Deutsche Landwirtschafts-Gesellschaft, DLG)

Association of Overseas Chinese Agricultural Biological Food Engineers (AOCABFE-AOC)
United Nations Asian and Pacific Centre for Agricultural Engineering and Machinery (UNAPCAEM)
Additional societies and institutions will be available through the website: www.cigr2014.org

ORGANIZERS

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

Theme

Agricultural & Biosystems Engineering – Upgrading Our Quality of Life

Time

September 16th (Tue) – 19th (Fri), 2014

Venue

China National Convention Center

Congress Languages

English, Chinese

IMPORTANT DATES

On-line registration opens:	Sep. 1 st , 2013
Abstract submission opens	Sep. 1 st , 2013
Abstract submission deadline	Mar. 1 st , 2014
Notification of abstract acceptance	Apr. 15 th , 2014
Early bird registration	May 31 st , 2014
Full paper submission	Jun. 1 st , 2014
Information to authors on website	Jul. 1 st , 2014
Hotel reservation and tour deposits	Aug. 1 st , 2014

PROGRAM AT A GLANCE

Date	Morning		Mid-noon	Afternoon		Evening
Sept.15 th	Registration					
Sept.16 th	Opening Ceremony	Plenary Sessions with Invited Speakers	Working Lunch	Plenary Sessions with Invited Speakers	Welcome Reception	
Sept.17 th	Oral Session		Working Lunch	Oral Session		
	Poster Session / Exhibition			Poster Session / Exhibition		
Sept.18 th	Oral Session		Working Lunch	Oral Session	Closing Ceremony	Banquet
	Poster Session / Exhibition			Poster Session / Exhibition		
Sept.19 th	Technical Tour					

CALL FOR PAPERS

The Congress welcomes abstracts relevant to the preliminary topics. **The Abstract submission deadline is Mar. 1st, 2014.** A person intending to make an oral presentation (15 minutes) or a poster at the Congress should submit a one page Abstract (A4 paper approximately 500 words) no later than **Mar. 1st, 2014.** The Abstract should include the paper Title and Keywords related to the Congress topics as listed at www.cigr2014.org and following the template provided. Abstracts will be reviewed by specialists appointed by the seven sections of CIGR and others selected by the Congress Organizers. Reviewers will make one of the following three recommendations (1.Present this full paper orally at the Congress 2.Present the information in the Abstract as a poster 3.Reject). Authors will be notified by **April 15th, 2014.** Full papers must be submitted by **June 1st, 2014.** Authors must register and pay the Congress fees in order to be included in the program.

Preliminary Topics

Full list of the detailed main topics will be available at www.cigr2014.org

1. Land and Water
2. Structures and Environment
3. Plant Production
4. Energy in Agriculture
5. System Management
6. Bioprocesses
7. Information Technology

Oral and Poster Presentation

In the registration system, authors are asked to indicate their preference for an oral presentation or a poster on the website. The Scientific Committee will try to satisfy each author's first choice. The final decision will come along with the notification of abstract acceptance.

Proceedings

The full proceedings of the Congress will be published in CD-ROM and provided to the delegates and students at the registration desk during the Congress.

Please visit the Congress Website at www.cigr2014.org for detailed information regarding abstract guideline, submission instruction, presentation options and other related information.

Accommodation

Participants who request hotel accommodation should register on the website at www.cigr2014.org, and submit the decision and pay the registration fee. A sufficient number of rooms will be provided at hotels near the Congress Venue. If your room request is unavailable, you will be assigned a room in another hotel as close as possible to your choice.

Registration

On-line registration will open on **September 1st, 2013** at www.cigr2014.org and ways of payment will be announced on the website later.

Registration fee (in US Dollars)

Registration Type	Early Bird Registration by May 31 st , 2014	Regular Registration After Jun. 1 st , 2014	Desk Rate
Delegates except LIC & LMIC ^[1]	\$700.00 ^[2] /\$750.00	\$800.00 ^[2] /\$850.00	\$850.00 ^[2] /\$900.00
Delegates from LIC & LMIC	\$500.00	\$550.00	\$600.00
Students ^[3]	\$400.00	\$400.00	\$450.00
Accompanying person	\$300.00	\$300.00	\$350.00
One-day admission ^[4]			\$400.00
Banquet ^[5]		\$80.00	

[1] LIC and LMIC: The list of low income and low-middle income countries is from the World Bank. [2] CIGR members. [3] Students: Please attach a copy of your student identification card to your registration form. [4] One-day admissions will only be sold the same day at the registration desk. [5] Banquet: A buffet style banquet will be held at 19:00 on Sep. 18th, 2014. The fee of the banquet is not included in the registration. Participants who wish to attend the banquet should make reservation (USD80/person) together with your registration.

Additional information

Additional information on the Congress news, maps, and updates on our programs will be available through the website: www.cigr2014.org

Contact information

Address: Room B206, No. 31 Building, Chinese Academy of Agricultural Mechanization Sciences (CAAMS), No. 1 Beishatan, Deshengmen Wai, Chaoyang District, Beijing 100083, China
 Phone: 0086-10-64882358
 Fax: 0086-10-64883508
 Email: cigrwc2014@yahoo.com
 Website: www.cigr2014.org

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

The Conference will be held at University of Aarhus 26-29 June 2016 as a joint event between CIGR (International Commission of Agricultural and Biosystems Engineering)

and EurAgEng (European Society of Agricultural Engineering) and cosponsored by NJF (Nordic Association of Agricultural Scientists) and Aarhus University.

Preparations for this event are progressing with the Organising Committee making the preliminary preparations.

Contact: Prof. Søren Pedersen
 Email: soeren.pedersen@agrsci.dk

The XIX CIGR World Congress 22-26 April 2018, Antalya, Turkey

In CIGR General Assembly which was held in Valencia, Spain on 9 July 2012, Turkey was approved to host the XIX CIGR World Congress.

The Congress will be held on 22-26 April, 2018 in Antalya, Turkey.

Preparations for this event are progressing with the Organising Committee.

Contact: Prof. Can Ertekin
 Email: ertekin@akdeniz.edu.tr

2. NEWS FROM REGIONAL AND NATIONAL SOCIETIES

CIGR Corporate Member Centre for Sustainable Agricultural Mechanization (CSAM)

Centre for Sustainable Agricultural Mechanization (CSAM), newly renamed from the United Nations Asian and Pacific Centre for Agricultural Engineering and Machinery (UNAPCAEM), is a regional institution of the United Nations Economic and Social Commission for Asia and Pacific (UNESCAP), based in Beijing, China.

The vision of CSAM is to achieve production gains, improved rural livelihood and poverty alleviation through sustainable agricultural mechanization for a more resilient, inclusive and sustainable Asia and the Pacific.

The objectives of CSAM are to enhance technical cooperation among the members and associate members of ESCAP as well as other interested Member States of the United Nations, through extensive exchange of information and sharing of knowledge, and promotion of research and development and agro-enterprise development in the area of sustainable agricultural mechanization and technology for the attainment of the internationally agreed development goals including the Millennium Development Goals in the region.

CSAM generally focuses on the following thematic cluster programmes:

- Agricultural engineering and machinery
- Food chain management
- Agro-enterprise development & trade
- Policy synthesis and normative research

Mr. Bing Zhao
Chief of
Centre for Sustainable Agricultural Mechanization
(CSAM)



3. PUBLICATIONS

The CIGR Journal Agricultural Engineering International

Prof. Lanfang Zhang, 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 numbers of manuscript submissions and registered users continues to increase. The table below shows the statistics for the CIGR Journal from March 1st, 2013 to May 31st, 2013 using OJS. With the increasing number of submissions, improving the quality of the papers to be published is the primary goal of the Journal. Authors, reviewers and Section Editors are the key to upgrading the quality of CIGR Journal.

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 March 1st, 2013 to May 31st, 2013, 72 manuscripts have been submitted, 24 submissions per month on average. The average time to complete the review process and publish a manuscript is more than 90 days. Among the 72 new submissions, 12.5% have been peer reviewed and 8.3% are in the review process with some reviewers'

comments. Fewer new submissions were accepted by the Section Editors, accounting for 1.4% of the total submissions. Among the 37 manuscripts in editing, 36 of them were submitted before March 1st, 2013 as the editorial process normally lasts for more than 60 days. However, because of some reasons, the time of review process is still unsatisfied which caused unhappy of some authors. I will do my best to coordinate the Section Editors (with their assistance to coordinate the reviewers) to have the job done in due time so as to speed up the whole editorial process. It is also notable that more newly submitted manuscripts were archived before peer reviewing by me, the Editor-in-Chief, because of incompatibility with the author's guideline, scope of the CIGR Journal, English level, duplication and plagiarism. It is my responsibility to filter unqualified manuscripts, sustain and improve the quality of the Journal. According to the current trend, about 30 manuscripts in total will be published in the 2nd issue of Vol. 15 by the CIGR Journal. All the editorial team members will continue their endeavor of maintaining the manuscript statistics and prompt communications with Section Editors.

By May 31st, 2013, the total number of registered users in CIGR Journal through OJS reached 8325 with 134 new users compared to the statistics accounted last time on February 28th, 2013. Registered readers were 7509 with 66 new and 1562 were registered as reviewers with 84 new compared to the database at the end of February 2013. Also,

owing to the incomplete registration information, particularly without clearly indicating the review areas of the reviewers, it is hard for the Section Editors to select proper reviewers according to their expertise. The CIGR Journal warmly welcomes the participation of its members as well as the scientists and engineers engaged in agricultural and biosystems engineering worldwide. We appreciate your Journal work and your support. If you have not registered in CIGR Journal, please do so by going to the website and registering as an author and reviewer.

By May 31, there were a total of 179 manuscripts that CIGR Journal has been handling, with 37 papers accepted and in editing, the rest are still in process--under review or revision.

Thank you!

Prof. Zhang Lanfang
Editor-in-Chief of CIGR Journal

2013 Statistics for the CIGR Journal (March 1st, 2013–May 31st, 2013)

Issues (Vol.15, No.1, No.2, 2013)	Published 1 (Vol.15, No.1; Vol.15, No.2 in publishing)
Items (Research papers)	Published 26 in Vol.15, No.1
Total new submissions	72
Peer reviewed	9 (12.5%)
Held by Section Editors	25 (34.7%)
In review with some review comments	6 (8.3%)
In review without review comments	29 (40.3%)
Accepted as new submissions	1 (1.4%)
Declined as new submissions	26 (36.1%)
Resubmitted	5
Days from submission to complete review	Over 60
Days from submission to publication	Over 90

CIGR Section Boards (2011-2014)

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

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

CIGR GENERAL SECRETARIAT

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Associate Professor Dr. Yutaka Kaizu, Editor in Chief

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