

The Association of Korean Agricultural, Biological & Food Engineers

About the AKABFE

Association of Korean Agricultural, Biological, and Food Engineers (AKABFE) was originally established on July 30, 2012 in Dallas, Texas, USA. The AKABFE members including faculty, postdoctoral researchers and students.

Be connected with the AKABFE

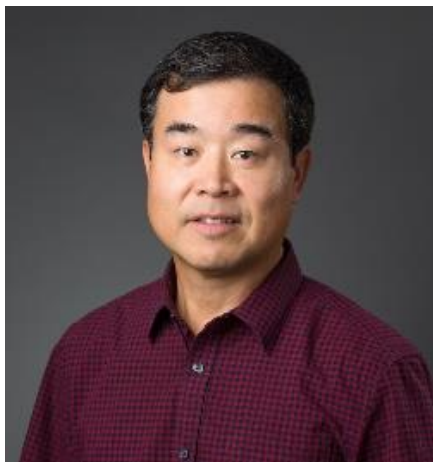
Website: <http://www.akabfe.org/>

LinkedIn: http://www.linkedin.com/groups?gid=6521941&trk=myg_ugrp_ovr



Greetings from the President

Dr. Wonsuk "Daniel" Lee



Happy New "Golden Dog" Year, everybody! First of all, I would like to thank the superb leadership provided by the two past presidents, Dr. Bosoon Park and Dr. Chris Choi, who served tirelessly for establishing and shaping the structure of our community. I sincerely appreciate their time and efforts devoted to AKABFE.

Again we had a very successful meeting in Spokane, WA in 2017. We had three top-notch invited speakers (Dr. Jin-Woo Kim, Dr. Sun-Ok Chung, and Mr. Ji-hoon Yu (presented by Mr. Wansoo Kim)) and shared excellent talks in nano-technology, precision farming, and Korean agricultural tractor.

We then had our First Research Spotlights competition among the students, which provided an excellent opportunity to share their research and practice presentation skills. We all enjoyed hearing and learning their state-of-the-art studies.

As we are approaching the 7th meeting this year in Detroit, Michigan, AKABFE has been firmly settled down and become a regular event for all ASABE participants! I hope this year's meeting will continue to be a great opportunity to get to know more each other and facilitate networking and sharing academic exchange, regardless of individual expertise. We, together hand-in-hand, will work on the advancement of agricultural engineering and machinery in Korea.

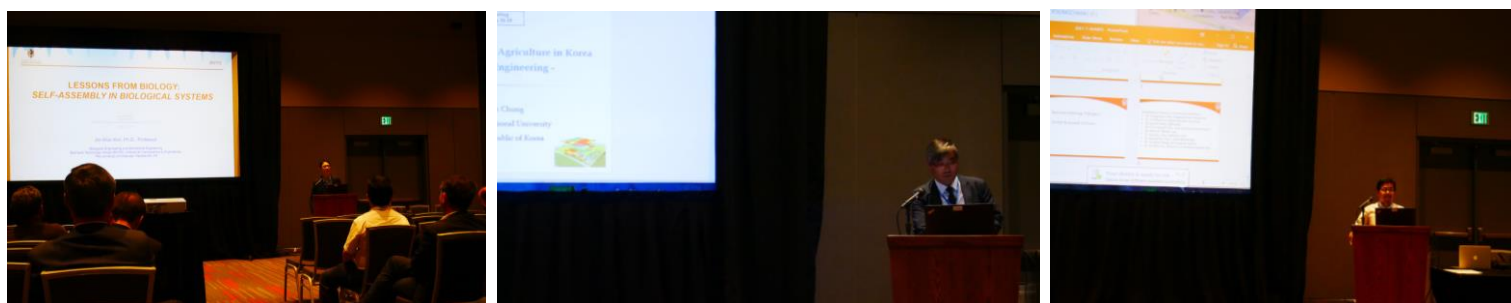
I would like to thank Ms. Sunho Park, and Mr. Hanwook Chung, the Korea and U.S. student representatives, for editing this newsletter. I am very honored to serve as the President of this valuable and beneficial community, AKABFE! Let's work together to accomplish the mission of AKABFE!

The 6th Annual meeting held in Spokane, Washington

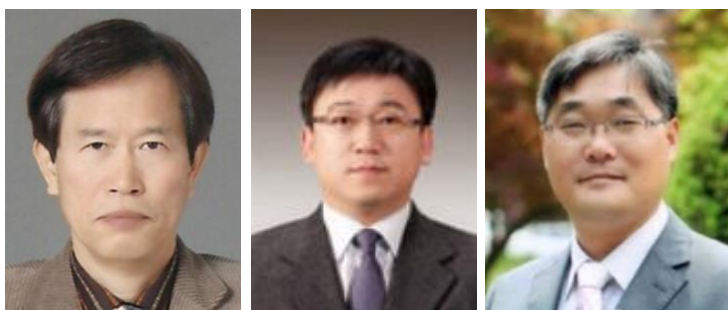
The annual meeting of the Association of Korean Agriculture, Biological and Food Engineers (AKABFE) was held on Tuesday, July 18, 2017, during the ASABE's Annual International Meeting in Spokane, Washington. 59 participants attended the official meeting in the Spokane Convention Center, which lasted for two hour. An associated dinner followed at a nearby local restaurant (P.F.Chang's pictured, center and right).

First AKABFE Research Spotlights Competition Winners

We are proud to announce the first AKABFE student presentation winners: **1st Place** Hanwook Chung (University of Wisconsin-Madison), **2nd Place** Soo Chung (University of Arizona), **3rd Place** Min-Kyu Im (Chonnam National University).



ASABE Superior Paper Awardees



Each technical division selects up to 5% of the articles published by their division for ASABE Superior Paper Awards. Winners are presented with a certificate during the General Session and Recognition Program at the ASABE Annual International Meeting. This year, four ASABE/AKABFE members received this prestigious award, and they were recognized during 2017 ASABE Annual International Meeting in Spokane, WA. Congratulations!

Dr. Woo-Jung La (Emeritus Professor, Department of BioIndustrial Machinery Engineering, Gyeongsang National University), **Dr. Hak-Jin Kim** (Associate Professor, Department of Biosystems and Biomaterials Science & Engineering, Seoul National University) and **Dr. Sun-Ok Chung** (Associate Professor, Department of Biosystems Machinery Engineering, Chungnam National University) co-authored and received the award for a paper entitled "Fusion Of Spectral And Electrochemical Sensor Data For Estimating Soil Macronutrients" by WJ La, KA Sudduth, HJ Kim, SO Chung (Transactions of the ASABE 59(4): 787-794, 2016). It is Dr. La's first, Dr. Kim's second and Dr. Chung's third ASABE Superior Paper awards in their professional careers.



ASABE Superior Paper Awardees (Cont.)

Dr. Christopher Yeonsik Choi (Professor, Department of Biological Systems Engineering, University of Wisconsin-Madison) also received a Superior Paper award for a paper entitled “An Evaluation of Simplifying Assumptions in Dairy Cow Computational Fluid Dynamics Models” by M Mondaca and CY Choi (Transactions of the ASABE 59(6): 1575-1584, 2016). It is his third such award.

Dr. Jong Hoon Chung elected President of Korean Society for Agricultural Machinery



The Korean Society for Agricultural Machinery (KSAM) elected Dr. Jong Hoon Chung, Professor of Seoul National University, as its new president. He will serve in this role for the next two years (until December 2019). At the KSAM conference, Dr. Chung mentioned that the KSAM will be the center of the Industry-University-Institute collaboration in agricultural machinery industry, and he will be charged with presenting a contemporary vision of agriculture and how it should be practiced in Korea.

Dr. Daeun Choi started her new position in Pennsylvania State University



Dr. Daeun Choi has begun serving as an assistant professor at Pennsylvania State University. Choi's research will focus on developing agricultural robotics and intelligent sensing systems for Pennsylvania's specialty crops, especially tree fruit and mushrooms. Her other research interests involve precision agriculture, farm automation, and autonomous vehicle applications in agriculture. She completed her doctoral degree at the University of Florida in 2017 under the supervision of Professor Wonsuk Lee. Notably, she has been an important AKABFE student member over the years, taking care of AKABFE's website and newsletters.

Dr. Seong Joon Kim elected president of Korean Society of Agricultural Engineers



Dr. Seong Joon Kim, Professor of Konkuk University, became the new president of the Korean Society of Agricultural Engineers (KSAE) in January 2017. He will serve the position for next two years (until December 2019). Dr. Kim announced that he would set the visions and the goals that should guide the future of agriculture and rural life in Korea. He will try to provide a basis upon which agricultural engineering can make significant contributions in the effort to achieve these goals.

Dr. Hoon Seonwoo started his new position in Suncheon National University

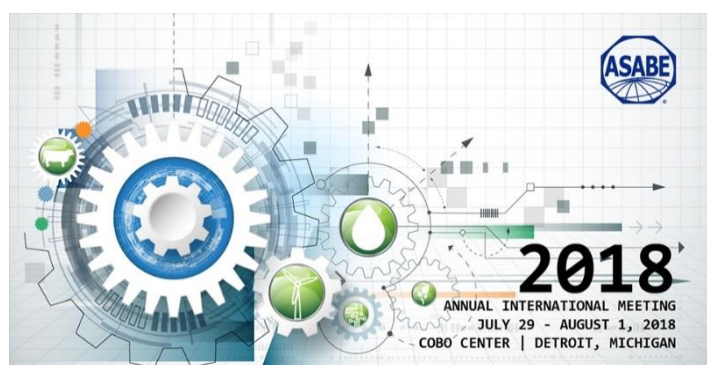


Dr. Hoon Seonwoo began his new position as an assistant professor in the Department of Industrial Machinery Engineering at Suncheon National University. Dr. Seonwoo's research interests include developing biomaterials using natural materials, 3D bioprinters, and 3D printers for applications in agricultural and biological fields.

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The AKABFE's Mission

The AKABFE was established to (1) promote information exchange and networking among agricultural, biological, and food engineers who are interested in the development of agricultural and biological science and technology in Korea; (2) foster educational exchange programs between Korean universities and organizations and institutions in the United States of America; (3) facilitate the transfer of technology to and from Korea; and (4) encourage professional development among members within the American Society of Agricultural and Biological Engineers (ASABE).



2017 AKABFE 7th Annual Meeting

The AKABFE will host a 4th annual meeting during the 2018 ASABE Annual International Meeting (July 29 - August 1) in Detroit, Michigan, USA.

ASABE Early Bird Registration: October 1 – June 9

ASABE General Registration: June 9 – June 28

DETROIT - With an energy and vitality that are hard to resist, Detroit is America's great comeback city. In recent years, billions have been invested into revitalizing downtown Detroit. A transformed riverfront, bustling nightlife, diverse dining, championship sports teams and a packed lineup of festivals and events make metro Detroit an exciting destination. The newly remodeled and renovated Cobo Center has been transformed into a world-class convention and meeting center.



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Announcement

AKABFE is looking for creative members to submit designs of logo and slogan.

Please contact: akabfe@gmail.com

Useful Websites

American Society of Agricultural and Biological Engineers (ASABE): <http://www.asabe.org/>.

한국농공학회 Korean Society of Agricultural Engineers (KSAE): <http://www.ksae.re.kr/>

한국농업기계학회 Korean Society for Agricultural Machinery (KSAM): <http://www.ksam76.or.kr/>