



AKABFE

The Association of Korean Agricultural, Biological & Food Engineers



About the AKABFE

The Association of Korean Agricultural, Biological, and Food Engineers (AKABFE) was originally established on July 30, 2012 in Dallas, Texas, USA. The AKABFE has grown up to 63 participants last year in Boston, Massachusetts, from 35 participants in 2013.

Connect with the AKABFE

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

LinkedIn: <https://www.linkedin.com/in/akabfe-network-55b53283>

AKABFE's mission

(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).

Greetings from the President



Dear AKABFE members and colleagues,

The year 2020 is now here with full of possibilities. I wish you a fulfilling, healthy and joyous year and decade! I would like to start with gratitude and appreciation for making the 2019 AKABFE meeting in Boston, MA, a great success with 63 participants. The technical session was highlighted by two invited speakers, Dr. Jong Hoon Chung at Seoul National University and Dr. Eunmi Hong at Kangwon National University. The participants in the third research spotlight presentation competition were made up of 13 master's and doctoral students from 8 different universities in Korea and North America. The cash awards for the student/post-doc competition event were made possible, thanks to your financial support and participation. I am especially thankful for the generous and continuous donation from the Korean Society for Agricultural Machinery (KSAM). The general assembly of the annual meeting approved to organize an AKABFE award committee that nominates AKABFE members for ASABE awards, as proposed by past president, Dr. Won-Suk Lee. We were honored to have Dr. Han Jin Kim as the first chair of the award committee.

With our 9th annual meeting in Omaha, Nebraska approaching, it is my honor to serve the AKABFE community as the 2019-2021 president. I sincerely thank past presidents, Dr. Bosoon Park, Dr. Chris Yeonsik Choi, and Dr. Won-Suk Lee, for their continued leadership and dedication for making AKABFE one of the top communities within ASABE. I am also grateful to the newly elected Executive Board members and student representatives who make joint efforts to bring opportunities to network and to promote information exchange and collaboration.

We have exciting challenges ahead of us as we continue to build a quality and striving organization in a new decade. Our community is full of talent and technical expertise in various areas. For future growth, AKABFE will need to foster the future leaders in ASABE as well as in the areas of agricultural, biological and food engineering. As the Executive Board moves forward with a plan for the 2020 annual meeting, I encourage you to attend the ASABE meeting in Omaha in 2020 and engage with AKABFE. Finally, I appreciate our U.S. and Korean student representatives, Ms. Satbyeol Shin and Mr. Hyeon-Ho Jeon, who have assisted with the publication of this newsletter.

Seung-Chul Yoon AKABFE President

The 8th Annual AKABFE meeting in Boston, Massachusetts



The annual meeting of the Association of Korean Agricultural, Biological and Food Engineers (AKABFE) was held on Tuesday, July 9, 2019, during the American Society of Agricultural and Biological Engineers (ASABE)'s Annual International Meeting in Boston, Massachusetts. A total of 63 members attended the AKABFE annual meeting held in the Boston Marriot Copley Place, which lasted for two hours. The technical session was highlighted by two invited speakers, "Plan of the Exchange & Cooperation on Agricultural Machinery between South and North Korea" given by Dr. Jong Hoon Chung, and "Building a Bridge Between Agricultural Engineering and Environmental Science" given by Dr. Eunmi Hong. After the technical session, the award ceremony for the Research Spotlight Competition and the group dinner were held at a nearby local restaurant.

3rd AKABFE Research Spotlight Presentation Competition Winners

We were proud to award the 3rd AKABFE research presentation winners, as follows:

Grand Prize Jaemyung Shin (Dalhousie University), **1st Prize** Seoung Min Baek (Chungnam National University), **2nd Prize** Soo Chung (University of Arizona), and **3rd Prize** Chanwoo Jeon (Seoul National University).

Award Announcements



ASABE Superior Paper Award

Dr. Younggu Her, Assistant Professor, Department of Agricultural and Biological Engineering, Tropical Research and Education Center, University of Florida, received an ASABE superior paper award presented in 2019 ASABE annual international meeting (AIM) in Boston, Massachusetts, on his paper titled "Identification of hydrologically sensitive areas considering watershed process dynamics", which was published in Transaction of the ASABE 61(6): 1891-1906 (2018). The award was given to only the top 5% of the published papers on 'Transaction of ASABE'.



ASABE Superior Paper Award

Sunho Park, a Ph.D. student under the guidance of Professor Jangho Kim, Department of Rural and Biosystems Engineering, Chonnam National University, received an award in young research session at 13th IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED 2019) in Gwangju, Korea.

Member News



Dr. Bosoon Park, Lead Scientist at the USDA, ARS, USNPRC located at Athens, Georgia, has elected as Fellow of American Chemical Society (ACS), Agricultural and Food Chemistry Division (AGFD) in Recognition of Scientific Contributions to Agricultural & Food Chemistry.



Dr. Chang-Seop Shin began his assistantship professorship in the Department of Biosystems Engineering, Chungbuk National University since September 2019. He was a research professor at Kyungpook National University in South Korea from 2017 to 2019 and his studies focus on economic efficiency and air pollutant/CO₂ emissions of agricultural machinery.

Member News



Dr. Seung-Chul Yoon, Research Electronic Engineer at the USDA, ARS, USNPRC at Athens, Georgia, has been selected as Associate Editor of the ASABE journals.



Dr. Yong Hyeon Kim, Professor of Chonbuk National University, was elected as the 28th president of the Korean Society for Agricultural Machinery (KSAM) with a two-year term (1/1/2020 – 12/31/2021). Dr. Kim will lead the KSAM with emphasis on effective communication with members, promotion of the society, and talents cultivation for the 4th industrial revolution, among many others.



Dr. Jin-Yong Choi, Professor of Seoul National University and 2017-2019 Korea Secretary of AKABFE, was elected as the 35th president of the Korean Society of Agricultural Engineers (KSAE). Dr. Choi will lead the KSAE for two years from 1/1/2020 until 12/31/2021, whose mission is to contribute improving the welfare of farmers by promoting academic research and cutting-edge technology development in agricultural engineering and to promote friendship and mutual interest among members.



2020 AKABFE 9th Annual Meeting

The AKABFE will host the 9th annual meeting during the 2020 ASABE Annual International Meeting (July 12 - 15) in Omaha, Nebraska, USA.

ASABE Early Bird Registration: November 1 – May 1, 2020

ASABE General Registration: May 2 – June 10, 2020



OMAHA - a city in the U.S. state of Nebraska, on the Missouri River close to the Iowa border. A stop on the Lewis & Clark National Historic Trail, it's known for its pioneer history, museums, and cultural centers. The Henry Doorly Zoo and Aquarium spearheads conservation work and features a big cat complex as well as indoor jungle, rainforest, and desert habitats.

Newsletter editors

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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/>