

AACCI Professional Development Panel Names Finalists for 2012 Best Student Research Paper Competition

The AACC International Professional Development Panel has named the finalists for its fourth annual Best Student Research Paper Competition. The objectives of the competition are to challenge students to demonstrate superior presentation skills, encourage students to present their research work at the AACCI Annual Meeting, highlight the best research conducted and presented by students, and offer an opportunity for students to interact with the AACCI community at an early stage in their careers.

During the first round of competition, students were nominated by their departments to represent their universities. Each student submitted an abstract and brief draft in a PowerPoint presentation. Judges from each AACCI division then reviewed the student's materials based on its research relevance or impact, technical quality, novelty or currency, discussion of results and conclusions, and the abstract itself. Based on the initial evaluation, the following six students will move on to compete in the final round of judging at the AACCI Annual Meeting in Hollywood, FL, on October 2, 2012:

Frederico Barros, Texas A&M University, U.S.A.
Lauren Brewer, Kansas State University, U.S.A.
Liesbeth Derde, KU Leuven, Belgium
Madhuvanti Kale, Purdue University, U.S.A.
Katharina Konitzer, Technical University of Munich, Germany
Mihiri Mendis, North Dakota State University, U.S.A.

The Best Student Research Paper Competition is open to all annual meeting attendees and will be held on Tuesday, October 2, from 8:30 to 11:00 a.m. during the annual meeting in Hollywood, FL. Winners will be announced during the Closing Session and Farewell Reception on October 3. Awards include cash prizes, travel grants, and publication of the winning papers.

Meet Your Match at the Speed Mentoring Social

Finding a mentor can be difficult, especially while focusing on starting a career. The Speed Mentoring Social at the 2012 AACC International Annual Meeting is a great way to quickly network with colleagues. Whether you are starting graduate school or a new job, these mentors are willing to take the time and answer questions you may have about cereal grain science. Through a series of quick exchanges with multiple contacts, you'll have the chance to seek career and research guidance, hear about the experiences of others, and potentially find a long-term mentor/protégé match. Bring plenty of business cards and plan on making connections that could last a lifetime. Light appetizers and refreshments will be available. Please plan to join us for the complimentary Speed Mentoring Social at the AACCI Annual Meeting, Tuesday, October 2, 4:30–5:30 p.m. Remember to indicate your interest in participating as either a mentor or protégé on the annual meeting registration form.

Students, Submit Your New Product Idea by June 1



Student Division

Students, it's time to enter your innovative products in the 2012 Product Development Competition (PDC) held by the AACC International Student Division! To compete, students must submit a copy of the entry form (available online) by June 1. You must develop an original food product containing at least one major ingredient from a cereal or legume (e.g., barley, corn, oat, rice, rye, sorghum, wheat, oilseeds, pulses, etc.) and submit a product report by July 2, 2012. During the AACCI Annual Meeting, the top five finalist teams will present a poster and give a 10 minute oral presentation followed by a tasting session.

The PDC is a great opportunity for students to apply the knowledge and skills they've acquired in school to create new food products professionally and intelligently in a real-world situation and win competitive cash awards. In 2012, a total of three prizes will be awarded. The first-place winner will receive \$2,550, the second-place winner will receive \$1,700, and the third-place winner will take home \$850.

What are you waiting for? Competition rules, participation information, deadlines, judging criteria, and previous winning product information are available on *AACCnet*.

All inquiries, comments, and product reports should be sent to AACCI 2012 Student Division PDC Chair Tom Jondiko (jondiko@yahoo.com).

Looking for the Perfect Place to Find or Post a Job?



The *AACCnet* Job Center is fully stocked with jobs that suit the needs of candidates searching for jobs in the grain science industry. We have postings from across the industry that are targeted specifically to our members. If you are looking for a job, you can create an e-mail alert, upload

and edit your resume, and customize your search to find the perfect career fit.

Employers have the ability to find a candidate knowledgeable in cereal grain science for their open position without going through the hassle of posting anywhere else. It's that simple! If you are an AACC International member, you can receive 20% off by using the code "AACCIMember" when posting a new position. As an added bonus, you can receive more visibility with a placement in the monthly AACCI News Capsule. Find the perfect position or candidate today at www.aaccnet.org/Jobs.

AACCnet: Community at Your Fingertips

The new AACCnet offers science and more community interaction than ever before. We have introduced a “Community Highlights” section on the AACCnet homepage. This section will keep AACCI members up-to-date on what you have accomplished in the cereal and grain science world. We want to hear from you on any recent awards, presentations, academic or industry highlights, or other updates you would like to share with your fellow AACCI members. All items can be submitted to Lauren Bennett (lbennett@scisoc.org), and we’ll include them at the next available opportunity.

AACCnet is also featuring a new forum for focused scientific discussions. In December 2011, we sent out a one-question survey asking you to identify your area of focus from one of seven areas: Biotechnology & Sustainability, Chemistry & Interactions, Engineering & Processing, Food Safety & Regulatory, Health & Nutrition, Ingredients & Innovations, and Quality & Analytical Methods. Do you identify with one of these groups? So do hundreds of other members. Find out who they are and what they have to say about the latest advancements in their respective areas. The new Scientific Initiatives sites are equipped with a news feed, discussion board, and listing of members who are passionate about the same things you are. You now have your very own AACCI social network. Get started today at www.aaccnet.org/Initiatives.



Welcome Corporate Members

CreaNutrition

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CreaNutrition develops, produces, and sells OatWell oat bran ingredients and products that are especially rich in b-glucan. OatWell oat bran is an innovation in the food market, and its functionality has been proved in numerous scientific publications. These proprietary, value-added oat ingredients provide a broad range of oat bran and flour products, with soluble fiber up to 28% (b-glucan) and total dietary fiber up to 52%. Functional nutritional attributes include focused cardiovascular health (EFSA and FDA health claims), moderation of glycemic index, satiety, weight management, and improvement of gastrointestinal function.

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Qualibet Testing Services Corporation is a private testing laboratory that offers testing services for food, feed, water, veterinary, and pharmaceutical products. We’ve been in operation since 2006.

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QualySense develops high-end solutions for grain, seed, and bean sorting. The unique and proprietary devices enable users to sort grains, seeds, and beans “one by one” reliably based on biochemical and/or geometric properties. Our sorting devices, the QSorter series, generate outstanding benefits in quality control, process optimization, and risk management.

Nominations Requested for the 2012 AACCI Engineering and Processing Division Biannual Stanley Watson Award

Nominations for the 2012 AACCI International Engineering and Processing Division Stanley Watson Award are due June 1, 2012. The Stanley Watson Award, established in 2001, recognizes outstanding AACCI members who, through the application of engineering principles, have made significant contributions in the area of cereal/grain processing. The award is named in honor of Stanley Watson, a corn wet-milling pioneer who made substantial contributions in the improvement of the wet-milling process.

Please send your nominations to Buddhi Lamsal (lamsal@iastate.edu). Nominations must include 1) the name of the nominee, 2) position, 3) complete address and contact info, (4) area of research, 5) a nominating statement detailing the nominee’s significant contributions in the area of cereal/grain processing via application of engineering principles, and 6) the name of the nominator. The nomination can be a self-nomination.

The Stanley Watson Award is presented biennially. The award includes \$1,000 to be used toward attendance at the 2012 AACCI Annual Meeting and a lecture presentation at the Engineering and Processing Division luncheon during the meeting. The winner will also be presented with a plaque.

Information on award previous winners can be obtained from the E&P Division website at <http://aaccnet.org/divisions/divisionsdetail.cfm?CODE=ENG>.

Obituary



Do Sup Chung

Do Sup Chung passed away unexpectedly on February 19, 2012, in Birmingham, AL, with his loving wife Okkyung (Okky) Kim Chung and daughters Clara Chung Fleisig and Josephine Chung at his bedside. Do Sup's amazing life began March 20, 1935, in Incheon, South Korea. He was the third of four sons of Tai-Hyun Chung and

Ipoon Kim. Do Sup came to America in 1954 to attend college, earning his B.S. degree in chemical engineering in 1958 from Purdue University. Do Sup then moved to Manhattan, KS, to attend Kansas State University, where he earned an M.S. degree in chemical engineering, followed by a Ph.D. degree in grain science in 1966.

Do Sup married Okkyung Kim in 1961. They lived in Manhattan for the first 48 years of their marriage, before moving to Birmingham, AL, in 2009. Do Sup and Okkyung raised their two daughters, Clara and Josephine, to follow in their parents' footsteps, achieving doctoral degrees in medicine and psychology, respectively. Do Sup's greatest joy was to see his daughters get married and to watch his four grandchildren be born and share in their activities.

Do Sup served on the faculty at KSU in the Department of Biological & Agricultural Engineering (BAE) for 38 years (1965–2003), was a visiting professor at Korea University, Seoul, South Korea (1990), and had served as professor emeritus at KSU since 2003. During his tenure he taught 14 different courses and developed the food engineering option program in the BAE Department. He also developed the Thermal Process Laboratory, Wet Grain Process Laboratory, and Physical Properties Laboratory for teaching and research. He guided 33 M.S. and 13 Ph.D. degree candidates as a major or co-major professor, 60 M.S. and 44 Ph.D. degree candidates as a graduate advisory committee member, and 13 post-doctoral fellows. He served as faculty advisor for the KSU Korean Student Association for 30 years. He also served as an advisor for the KSU Native American Student Association, KSU Engineering Open House for the BAE Department, American Society of Agricultural and Biological Engineering (ASABE) Student Branch, and Agricultural Mechanization Student Branch. In addition, he served on numerous KSU committees and boards as chair or member.

The Chung-Pfost equation developed in Do Sup's Ph.D. dissertation (published in *Transactions of the American Society of Agricultural and Biological Engineering* in 1967) is still used in academia and private industry throughout the world and was adapted as the ASABE Standard Equation for predicting equilibrium moisture content and describing equilibrium relative humidity data for grains and oilseeds. The equation has been used for crop-drying calculations and in design and analysis of storage systems for agricultural products.

Do Sup's fields of research included mass and heat transfer in grains and their by-products; grain storage, handling, and drying (postharvest technology); physical properties of biomaterials; and food and grain processing. Do Sup was the author or coauthor of more than 160 scientific papers, including book chapters and monographs, on grain storage and processing and food processing engineering. He organized and chaired many international conferences and symposia. Through his work with USAID, Do Sup provided technical assistance on grain postharvest and processing technology in 25 countries in Africa, Asia, and Central and South America. He was a member of ASABE, AACCI, IFT, and many other honorary societies. He won numerous awards and honors, including the ASABE Outstanding Paper Award (1978), Mid-Central ASABE Young Engineer of the Year Award (1975), Outstanding Educator Award from the President of the Republic of Korea (1986), ASABE Kishida International Award (1992), KSU College of Engineering Faculty Advisor of the Year Award (1994) and Snell Distinguished Career Award for Excellence in Undergraduate Teaching (1998), ASABE Fellow (1995), AACCI Excellence in Teaching Award (2000), and numerous other awards and honors.

Throughout Do Sup's life, it was his greatest pleasure and privilege to give back. He spent his life teaching those around him, including his daughters, grandchildren, and students, to give in whatever way possible. Do Sup said, "...I ask my students to remember that in this world, people need all kinds of help. We must think about the next generation and should not forget our roots." In 1993, Do Sup and Okkyung established the Chung-Kim Family Scholarship to honor their late parents and assist students majoring in food, biological, and agricultural engineering at KSU. In 1996, the Korea Room at the KSU International Student Center was built through fundraising efforts by Do Sup and his family. The Do Sup Chung International Scholarship was created in 2003 for international students at KSU. When Do Sup retired in 2003, funds from his family and his former students living in Korea were donated to the West Seaton Renovation Campaign to create the Drs. Do Sup and Okkyung Chung Graduate Student Office.

Do Sup is survived by his wife, two daughters, two sons-in-law (Glenn Fleisig and Mark Putaski), four grandchildren (Emily and Julia Fleisig; Benjamin and Eleanor Putaski), two brothers (Nam Sup and Young Sup) and their wives, and 21 nieces and nephews. Do Sup touched the lives of his family, friends, colleagues, and students and will be deeply missed by everyone who knew him as a person.

Donations may be made to the Kansas State University Foundation (800.432.1578) for the Chung-Kim Family Scholarship Fund in the KSU BAE Department or to the Dr. Do Sup Chung Scholarship for International Students. The obituary guestbook can be found at <http://obits.dignitymemorial.com> (search obituaries for Do Sup Chung).

The entire obituary, as published in *The Birmingham News*, is available on AACNet at www.aaccnet.org/publications/plexus/cfw/pastissues/2012/OpenDocuments/DoSupChung_obit.pdf.



New Members

Agah, Shima, College Station, TX, U.S.A.
Dell'Endice, Francesco, chief executive officer, Qualysense AG, Dubendorf, Switzerland
Gangola, Manu P., University of Saskatchewan, Saskatoon, SK, Canada
Gregg, Lezli M., senior food technologist, Mission Foods, McKinney, TX, U.S.A.
Hall, Phil, president, Cablevey Conveyors, Oskaloosa, IA, U.S.A.
Jindal, Navdeep, assistant professor, Sant Longowal Institute of Engineering and Technology, Longowal, India
Keenan, Joseph J., director of operations, Sensory Effects Cereal Systems, Lincoln, NE, U.S.A.
Kelly, Brian R., manager bakery applications, International Flavors & Fragrances Inc., Dayton, NJ, U.S.A.
Kohrs, Dane, McShares, Manhattan, KS, U.S.A.
Kuenkamp, Kathrin, German Research Center for Food Chemistry, Freising, Germany
Lal, Radhey, Bulandshamer, India
Liu, Yiwei, researcher, University of Nebraska, Lincoln, NE, U.S.A.
Owca, Matthew, account manager, DSM Nutritional Products, Maryville, IL, U.S.A.
Park, William D., Texas A&M University, College Station, TX, U.S.A.
Pena, Alex, technical sales manager and bakery technologist, Los Angeles, CA, U.S.A.
Plumier, Benjamin M., graduate student, University of Illinois, Urbana, IL, U.S.A.
Pogacnik, Jana, laboratory general manager, Shur-Gain Nutreco Canada, St. Hyacinthe, QC, Canada
Rama Subba Reddy, Y., Hyderabad, India
Rees, Ellen, technologist, Kerry Inc., Beloit, WI, U.S.A.
Riar, Charanjit Singh, associate professor, Sant Longowal Institute of Engineering and Technology, Sangrur, India
Sandrin, Raceli, manager P&D, SL Alimentos Ltda., Londrina, Brazil
Skelding, Blanca E., global engineering-process engineering, Kellogg Co., Lancaster, PA, U.S.A.
Susanto, Rico, technologist, Kerry Inc., Beloit, WI, U.S.A.
Tobiano, Pinky P., CEO, Qualibet Testing Services Corporation, Quezon City, Philippines
Tovar, Tirso, director, Enzipan Laboratorios S.A., Bogota, Colombia
Whitson, Andrew, senior scientist, Sanitarium Health & Wellbeing, Cooranoona, NSW, Australia

People

AACCI member **Jefferson S. Schlesinger** celebrated his 106th birthday on March 18. He was an early member of AACC International and the Pioneer Section and was active in both. He seldom, if ever, missed an AACCI Annual Meeting or Pioneer Section meeting. He worked for several flour mills before setting up a laboratory at Union Equity Co-Op in Enid, OK, where he worked until he retired. His papers appeared in AACCI, milling and farm publications. Jeff still resides in Enid.



Vincent Hebert



Chris Freeman

Brookfield Engineering Laboratories has appointed **Vincent Hebert** to the position of product manager – powder flow tester (PFT). Vinnie will assume responsibility for sales of the PFT in the Americas and will coordinate worldwide sales with Brookfield's international offices. Vinnie has more than 25 years of experience in product testing, marketing, technical support, and sales. He is a graduate of Roger Williams University with a degree in electrical engineering. Brookfield Engineering has also promoted **Chris Freeman** to the position of senior product manager – CT3 texture analyzers. Chris already provides CT3 sales and support coverage to customers throughout Europe, the Middle East, Asia, Africa, and Australia. He will continue to orchestrate the Brookfield dealer network in these regions. Chris is based at Brookfield's European headquarters located in Harlow, Essex, UK. www.brookfieldengineering.com

Important AACCI Dates

June

1. 2012 AACCI Student Product Development Competition product submission deadline
1. 2012 AACCI Engineering and Processing Division Stanley Watson Award nominations due

July

2. 2012 AACCI Student Product Development Competition product report deadline

August

31. *Cereal Chemistry* Cereal Structure-Function Relationships Focus Issue paper submission deadline

September

- 30–October 3. AACCI Annual Meeting, Hollywood, FL, U.S.A.

More information is available on *AACCnet*.
www.aaccnet.org.