

Dr. Do Sup Chung

March 20, 1935 - February 19, 2012

Dr. 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. Today would have been his 77th birthday. He was the third of four sons of Tai-Hyun Chung and Ipoon Kim, growing up in Korea under Japanese occupation, World War II, and the Korean War. Do Sup attended Kyunggi Middle and High Schools in Seoul, South Korea, where he made lifelong friends. He came to America in 1954, earning his B.S. degree in 1958 from Purdue University in Chemical Engineering. Dr. Chung moved to Manhattan to attend Kansas State University. He earned a master's degree in Chemical Engineering, followed by a doctorate in Grain Science in 1966.

Do Sup married Okkyung Kim on November 22, 1961 in Manhattan, KS. They lived in Manhattan for the first 48 years of their marriage, before moving to Birmingham, AL in 2009. Dr. Do Sup Chung and Dr. Okkyung Kim Chung raised their two daughters, Clara and Josephine, to follow in their parents' footsteps, achieving doctoral degrees (in medicine and psychology, respectively). His greatest joy was to see his

daughters get married (Clara to Glenn Fleisig of Birmingham, AL; Josephine to Mark Putaski of St. Paul, MN) and to watch his four wonderful grandchildren (Emily and Julia Fleisig; Benjamin and Eleanor Putaski) be born and share in their activities as they grew older. Do Sup and Okkyung celebrated their 50th wedding anniversary in 2011. Together, they loved to cheer on their Kansas State Wildcats, play poker and the slots, travel the world, discuss politics but mostly relish every moment they spent with their grandchildren.

Dr. Chung served on faculty at KSU in the Department of Biological & Agricultural Engineering (BAE) for 38 years (1965-2003), Visiting Professor at Korea University, Seoul, South Korea (February-July, 1990), and served as Professor Emeritus at KSU since 2003. During his tenure at K-State, Dr. Chung 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. degree candidates, 13 Ph.D. candidates as a Major or Co-Major Professor; 60 M.S. degree 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 advisor for: 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 K-State committees and boards as a chair, member or an elected member.

The Chung-Pfost Equation developed in Dr. Chung's Ph.D. dissertation, which was published in Transaction of the American Society of Agricultural and Biological Engineering (ASABE) in 1967, is still used in academics and private industry throughout the world. The Chung-Pfost Equation was adapted as the ASABE's Standard Equation for predicting equilibrium moisture content (EMC) and describing EMC-ERH (equilibrium relative humidity) data for grain and oilseeds. The Equation has been used for crop drying calculations and in design and analysis of storage systems for agricultural products. An Analysis of Transactions of the ASABE papers in 2007 found that Dr. Chung had two of the five most-cited papers during the 50-year history of Transaction of the ASABE.

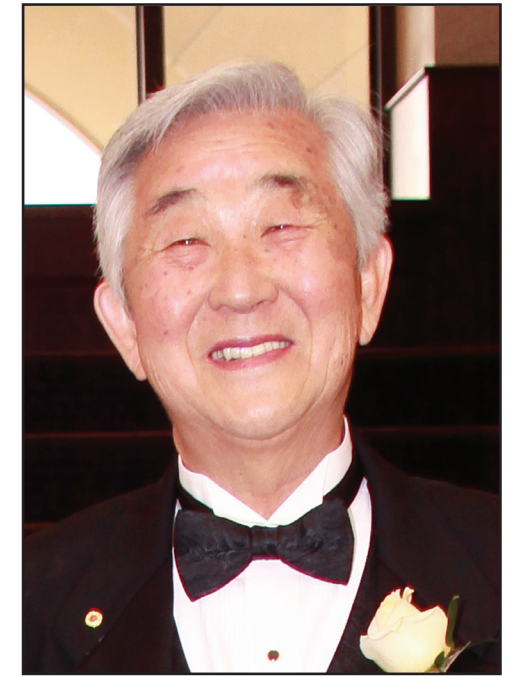
Dr. Chung's fields of research included: Mass and heat transfer in grains and their by-products; Grain storage, handling and drying (postharvest technology); Physical properties of biomaterials; and Food and grain processing. Dr. Chung was the author or co-author of more than 160 scientific papers including book chapters and monographs in grain storage and processing and food processing engineering. He organized and chaired many international conferences and symposia. Through his work with the U.S. Agency for International Development (USAID), Professor Chung provided technical assistance on grain postharvest and processing technology in 25 countries within Africa, Asia, Central and South America. He was a member of the ASABE, American Association of Cereal Chemists International (AACCI), and Institute of Food



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Technology (IFT) and many other honorary societies. He won numerous awards and honors, including: the Outstanding Paper Award, ASABE (1978); Young Engineer of the Year Award, Mid-Central ASABE (1975); Outstanding Educator Awards from the President of the Republic of Korea (1986); Kishida International Award, ASABE (1992); KSU College of Engineering Faculty Advisor of the Year Award (1994) and Snell Distinguished Career Award for Excellence in Undergraduate Teaching (1998); Fellow of ASABE (1995); Excellence in Teaching Award, AACCI (2000); and numerous other awards and honors from international universities, government ministers, and KSU's BAE Department.

Throughout Dr. Chung's life, it was his greatest pleasure and privilege to give back. Dr. Chung learned at a very young age from his parents the art of giving. His life was committed to giving to others in whatever way he could, whether in small or large ways. He spent his life teaching those around him, including his daughters, grandchildren, as well as his students, to give in whatever ways possible. Dr. Chung 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, Drs. Do Sup and Okkyung Chung established the Chung-Kim Family Scholarship to honor their late parents and assist students majoring in Food, Biological and Agricultural Engineering at



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Kansas State University. In 1996, the Korea Room at KSU's International Student Center was built with fundraising efforts by Dr. Chung and his family. The Do Sup Chung International Scholarship was created for international students at K-State in 2003. When Dr. Chung retired in May 2003, funds from Dr. Chung's family and from 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, four grandchildren, two brothers (Nam Sup and Young Sup) and their wives, and 21 nieces and nephews. Dr. Do Sup Chung touched the lives of his family, friends, colleagues and students, and will be deeply missed by everyone who knew him as a person. His work legacy touched the lives of countless numbers of people whose ability to eat grains, fruits, and other food that has to be dried and stored for future use, very dependent upon the research that Dr. Chung provided with his equation long ago and continues to be used today.

The visitation on Tuesday, February 21 and the funeral service on Wednesday, February 22, 2012 at the Southern Heritage Funeral Home and Cemetery in Pelham, AL was attended by friends, students and family from near and far, including: Alabama, California, Florida, Hawaii, Illinois, Indiana, Kansas, Minnesota, North Carolina, New Jersey, New York, Canada, Hong

Kong, and South Korea. Those in attendance from Manhattan included Dr. Roger Johnson, Dr. Donghai Wang, Dr. Naiqian Zhang, and Mrs. Yonghoi Willingham. The funeral was an eclectic service held on 2/22/2012 – making it five-of-a-kind in deuces – and had a Korean priest, a Tibetan Buddhist monk and a Jewish rabbi and cantor all participating, along with various speakers from all aspects of Dr. Chung's life to impart tears and laughter during the service, and had an assortment of the classical music he loved, provided by a vocalist, a violinist and his concert pianist niece, Lucille Chung. All of the beautiful e-mails that came in the days immediately after Do Sup's death that were provided by his friends and former students from across the world were in a scrapbook at the service for all to read. The beautiful flowers and cards we received were also on display. The thoughts and kind gestures from all of Do Sup's old friends from Manhattan were very present and appreciated. Following the service, was a brief reception for all who were present at the service, then the out-of-town guests all attended a Korean dinner where further memories of Do Sup were shared.

Donations may be made to the Kansas State University Foundation (1-800-432-1578) 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 may be found at

[http://obits.dignitymemorial.com/Search/obituaries/for/Do Sup Chung.](http://obits.dignitymemorial.com/Search/obituaries/for/Do%20Sup%20Chung)



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