

K-state offers course on the handling of bulk solids

Individuals responsible for handling and processing bulk solids in the grain, feed, biofuels, food, pharmaceutical and chemical industries may want to attend Kansas State University's Bulk Solids Handling, Storage and Flow course.

The training will be Monday through Thursday, Nov. 11 to 14, at the International Grains Program Conference Center in Manhattan, in partnership with the bulk solid equipment industry, Kice Industries, Vortex and Fike Corporation.

"Currently, the grain and powder industry from flour milling to biofuels, to pharmaceutical companies, lack an opportunity for continuing education in the technical areas that involve handling and processing bulk solids. This course will benefit the industry by allowing participants to fortify their skills and also understand the latest technology from the equipment industry," says Carlos Campabadal, K-State program specialist in grain storage and feed.

The course focuses on handling, transportation and storage technologies and methods, and common bulk solids flow problems. Participants will learn about the science and engineering of bulk solids from K-State faculty, other university instructors and industry experts in practical classroom and hands-on sessions.

Bulk solids handling and flow equipment are located in the state-of-the-art Hal Ross Flour Mill and O.H. Kruse Feed Technology Innovation Center. Additionally, the newest powder characterization technologies, available in the Bulk Solids and Particle Technol-

ogy Research Laboratory, will be used for instruction. The course also will include an on-site visit to a bulk solids handling equipment manufacturer.

"This initiative, started in collaboration with industry and academic experts, will focus on understanding the bulk and particle characteristics of granular materials and will help in delivering a uniform granular product to the consumer," said Kingsly Ambrose, course instructor and K-State assistant professor in milling and grain processing.

With his current experimental research and modeling approaches, Ambrose is focused on developing practical solutions to bulk solids handling issues faced by the industry.

"This new course is an exciting opportunity to expand our continuing education offerings in partnership with the bulk solids industry," says Dirk Maier, K-State grain science and industry department head and director of the International Grains Program. "The investment the bulk solids industry has made in our facilities and programs, and the faculty expertise we have on-board at Kansas State, make for a winning public-private partnership effort."

To register for this course or learn about other training opportunities, go to the International Grains Program website at www.grains.k-state.edu/igp. In addition to feed manufacturing and grain management, the program offers trainings in the areas of flour milling and grain processing, and grain marketing and risk management.

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