Integration of Design and Hands-On Learning into Early Stages of Engineering Curriculum

June 17-19, 2010 • Missouri University of Science and Technology

Sponsored by The Great Midwestern Space Grant Region

This workshop is designed to provide participants with knowledge and hands-on experiences that can be integrated into freshman engineering programs and/or sophomore curriculum of four-year university bachelor’s degree programs in engineering or in associate’s degree engineering programs in community colleges. The workshop program is particularly suitable for institutions that are seeking to emphasize and integrate hands-on training and implementation of system designing, simulating, building, and testing.

The focus will be on teaching participants methods that can be utilized to engage their students in experiences that will help inspire, prepare, and excite them to pursue careers in technical fields. A detailed project on engineering, construction, simulation and testing of radio-controlled aircraft models will be presented. This project will enable participants to transfer and implement the concepts of design, simulation, construction, and testing of radio-controlled aircraft to students in their institutions.

Who Should Attend?
Faculty members, teaching assistants, graduate students, instructors, and curriculum developers involved in four-year university bachelor’s degree engineering programs and/or in associate’s degree engineering programs in community colleges.

Limited Enrollment:
Enrollment is limited to forty participants.

Registration Fee: $975
The $975 registration fee includes breakfast and lunch on each day of the workshop, a workshop handbook, and all workshop materials and supplies needed to build a radio-controlled aircraft.

For more information, or to register online:
http://web.mst.edu/~spaceg/