Diane Van Scoter, Ind Eng Manage 2014, 3:5
http://dx.doi.org/10.4172/2169-0316.S1.002

OMICS Group Conferences
Accelerating Scientific Discovery

International Summit on
Industrial Engineering
December 08-10, 2014 DoubleTree by Hilton Hotel San Francisco Airport, USA

Teaching smarter

Diane Van Scoter
University of Connecticut, USA

Engineering students today need a broader skill set than previous students. While oral and written communication has always been important, adaptability, social skills, and complex thinking including nonroutine problem solving and systems thinking, are now needed to enable students to compete in the global economy. This presentation will discuss how well designed projects can help students learn these needed skills, both high school and college student examples will be discussed.

Biography

Van Scoter's industry experience spans more than twenty years, ranging from Manufacturing at Boeing Commercial, space optics, survivability, and technology transfer for the DoD, management consulting for Deloitte including working for the South African Government, to quality and production for an international logistics company. Since arriving at UCONN she has been updating the MEM program to better serve the students, industry, and the university. Van Scoter has been introducing problem-based learning into the MEM curriculum using real engineering problems, working to incorporate projects from local industries, and using complex problems to teach students critical thinking.

dvanscoter@engr.uconn.edu