

ASEE MIDWEST SECTION 2012

Plenary Speaker

First things first. First an engineering student; then an engineer

Dr. Raymond B. Landis
(Dean Emeritus, California State University, Los Angeles)

8:00-9:20am | Carver/Turner Room | Havener Center



Abstract – We are often so anxious to make our new engineering students into engineers that we forget to first make them into engineering students. Because we don't help our students become effective students, they generally perform below potential with many dropping out or changing majors. Basic concepts of "student development," which is defined as facilitating new students' growth, change, and development in areas that will enhance their success in engineering study, will be outlined. Specific attitudes and behaviors that need to be changed will be delineated and pedagogical approaches for changing those attitudes and behaviors will be presented.

Biography – Dr. Landis is a nationally recognized expert in engineering student success and is the author of the best-selling textbook *Studying Engineering: A Road Map to a Rewarding Career*. He received B.S. and M.S. degrees from MIT and a Ph.D degree from UCLA, all in Mechanical Engineering. He was an engineer for Rocketdyne Division of Rockwell International, a professor and chair at California State University, Northridge, and the Dean of Engineering, Computer Science, and Technology at California State University, Los Angeles. His awards include the Presidential Award for Excellence in Science, Math, and Engineering Mentoring and the Wong Family Excellence Award as the outstanding administrator in the California State University System.