



College of Engineering

**Department of
Mechanical & Industrial Engineering**

The Sidney E. Fuchs Seminar Series

3:00-4:00pm, Friday, November 10, 2017

1200 Patrick F Taylor Auditorium



Engineering – What You Don't Necessarily Learn in School

by **David C. Wisler***

Member, US National Academy of Engineering

As young engineers progress in their careers, they begin to understand that there is far more to being an outstanding engineer than they might have thought during their days as a student. In fact, some of the things they need to know weren't necessarily learned in school. And this is understandable, given the relatively short time spent in school and the significant differences between the missions of academe and industry/government. This seminar focuses on a number of vital aspects in engineering that are too often learned after graduation and can make the difference between success and failure in one's engineering career.

* Dr. Wisler's distinguished career at GE Aviation spanned 38-years, during which he conducted and managed advanced technology programs. He is recognized as an international expert in turbomachinery aerodynamics technology. His work to improve airfoil shapes and understand the complex flow fields in the rotating components of gas turbine engines has been instrumental in reducing losses (reducing fuel burn) and improving performance. After retiring from GE, he joined the MIT CDIO Initiative to revitalize engineering education worldwide. Dr. Wisler is currently a Subject Matter Expert for the Office of Naval Research. He is a member of the US National Academy of Engineering, has been elected to the GE Aviation Hall of Fame, a past Sr. vice-president and fellow of the American Society of Mechanical Engineers (ASME), Editor ASME Journal of Engineering for Gas Turbines and Power, an Associate Fellow of the American Institute of Aeronautics and Astronautics, the only three-time winner of ASME's Melville Medal (best paper in all 17 ASME technical divisions), winner of two IGTI Gas Turbine Awards for best paper of the year, and the winner of ASME's Aircraft Engine Technology Award and R. Tom Sawyer Award.