

Theme: Instructor and Student Curricular System Impact  
**Academic Integrity: Challenges and Approaches**



**Randall Manteufel**



**Kenneth W. Van Treuren**

Randall Manteufel, Associate Professor, University of Texas at San Antonio

Kenneth W. Van Treuren, Associate Dean, Baylor School of Engineering

Wednesday, 4:00 – 5:00 pm

Room: K120

Cheating is as “old as the hills,” yet the methods and tools used by students continue to evolve. The workshop is intended to make engineering faculty aware of new methods and tools used by students, especially the Artificial Intelligence Chatbot ChatGPT. The workshop focuses on both “challenges” and “approaches” to upholding the academic integrity in engineering classes and is intended to be as practical as possible.

**Randall Manteufel** is an Associate Professor of Mechanical Engineering at The University of Texas at San Antonio (UTSA). He has won several teaching awards, including the 2012 University of Texas System Regent’s Outstanding Teaching Award and the 2013 UTSA President’s Distinguished Achievement Award for Teaching Excellence, the 2010, 2014, 2018 and 2019 College of Engineering Student Council Professor of the Year Award, 2008 Excellence in Teaching Award for College of Engineering, and 2004- 2005 Mechanical Engineering Instructor of the year award, 1999 ASEE-GSW Outstanding New Faculty Award. Dr. Manteufel is a Fellow of ASME with teaching and research interests in the thermal sciences. In 2015-2016, he chaired the American Society for Engineering Education Gulf Southwest section and in 2018-2019 he chaired the Academy of Distinguished Teaching Scholars at UTSA. In 2022 he was honored with the distinction of being a Distinguished Teaching Professor at UTSA. He is a registered Professional Engineer in Texas.

**Ken Van Treuren** is a Professor in the Department of Mechanical Engineering at Baylor University and serves as the Associate Dean in the School of Engineering and Computer Science. He received his B. S. in Aeronautical Engineering from the USAF Academy in Colorado Springs, Colorado and his M. S. in

Engineering from Princeton University in Princeton, New Jersey. After serving as USAF pilot in KC-135 and KC-10 aircraft, he completed his DPhil in Engineering Sciences at the University of Oxford, United Kingdom and returned to the USAF Academy to teach heat transfer and propulsion systems. At Baylor University, he teaches courses in laboratory techniques, fluid mechanics, energy systems, and propulsion systems, as well as freshman engineering. Research interests include renewable energy to include small wind turbine aerodynamics, small propeller design, and experimental convective heat transfer as applied to HVAC and gas turbine systems. He is a Fellow of ASME and an Associate Fellow of AIAA. In 2022 Dr. Van Treuren was selected as Baylor's Cornelia Marschall Smith Professor of the Year.