



**ENSC 2123 Elementary Dynamics, Fall 2017**

**Guest Speaker on Dynamics Practice at Textron Aviation**

**Time:** 9:00 AM, Tuesday, 9/19/17

**Location:** EN 108

**Gonzalo Mendoza**

Manager

Loads, Acoustics, and Structural Dynamics

Textron Aviation

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**Outline:**

I am honored to speak to you on the subject of dynamics, and, more specifically, on the types of dynamics problems I have encountered during my work as a member of the Textron Structural Dynamics and Flight Mechanics Teams. Over my career, I have had the opportunity of working on a number of interesting jobs centered on the design of airplanes. This experience has taught me that one of the most difficult and rewarding tasks of the Engineer is being able to tie fundamental physics and mathematics concepts to the development of valid models for design or analysis of practical systems. Join me for a discussion of this idea through the use of historical examples and review of current dynamics modeling practices.



**About the guest speaker:**

Gonzalo Mendoza is the Manager of Loads, Acoustics, and Structural Dynamics at Textron Aviation, manufacturer of Cessna, Beechcraft, and Hawker airplanes. Prior to his current role, Gonzalo served in various Engineering roles, always within Textron Aviation, in the areas of Aerodynamics, Flight Mechanics and Simulation, Loads and Dynamics, and other Advanced Design functions dating back to 1998. Apart from his interest in the sciences fundamental to understanding flight, with Dynamics fulfilling a prominent role, Gonzalo's work is focused on practical aircraft design Engineering. Over the last 8 years, Gonzalo has also served as an Adjunct Faculty member at San José State University, teaching courses related to Aircraft Design in a hybrid online/traditional setting. In this role, Gonzalo has had the privilege of leading numerous teams in a variety of student design competitions. He hopes to someday match OSU's AIAA DBF past glory. Gonzalo holds Bachelor and Master of Science degrees in Aerospace Engineering from San José State University and Wichita State University, respectively.



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