

THURSDAY, FEB 11: ENGAGED LEARNING WEEK

A FOCUS ON ENGINEERING STUDENTS SENIOR DESIGN PROJECTS

PRESENTATION SCHEDULE

- 1:00 WELCOME by Susan Kress, Executive Director of Engaged Learning
- 1:05 INTRODUCTORY COMMENTS by Mr. Mark Fontenot, Clinical Professor - Department of Computer Science and Engineering, Faculty Fellow - Hart Center for Engineering Leadership, Bobby B. Lyle School of Engineering

SENIOR DESIGN PROJECT PANELS (all panels are followed by Q&A)

- 1:10 PANEL 1: Three Projects
- 1:10 **Wheeled Baton Robot – Agility and Movement through Torque and Momentum**
Sarah Elise Wood '16 – ME; Mentor: Dr. Yildirim Hurmuzlu
 - 1:15 **Ceiling-Recessed Cassette: Concept Modeling**
Daehee Kim '16 – ME; Mentor: Ms. Sheila Williams
 - 1:20 **Hilltop Motorsports Management of SMU's FSAE Racing Team**
Oscar Schechter '16 – MGTSCI; Mentor: Mr. Mickey Saloma
- 1:35 PANEL 2: Silicon Wafer Warpage Project, Mentor: Mr. Matt Galla
- 1:35 **Laser Profilometry Double Axis System**
Elizabeth Ricketts '16 – ME, MATH
 - 1:40 **Laser Profilometry User Interface and Data Analysis**
Duncan Fischer '16 – ME
 - 1:45 **Laser Profilometry – Circuitry and Power Supply**
Krystle Vela '16 – EE, MATH
- 2:00 PANEL 3: Two Projects; Mentor: Dr. Carlos E Davila
- 2:00 **Mechanical Design of a Search and Rescue Drone**
Elise Lebiga '16 – ME
 - 2:05 **Mini Characterization Testing Platform to Test Electronic Chips**
Phuong Nguyen '16 – EE
- 2:20 PANEL 4: Fortune Telling Machine Project; Mentor: Dr. Dona Mularkey
- 2:20 **Use of Arduino Boards in Animatronic Communications**
Odai Abdelqader '16 – MATH
 - 2:25 **Facial Recognition for Animatronic Interaction**
Ahmed Saleh '16 – ME
 - 2:30 **Programming and User Interface for a Fortune Telling Machine**
Victoria Serra '16 – ME
- 2:45 PANEL 5: Fiddler on the Roof Project; Mentor: Mr. Mark Fontenot
- 2:45 **Fiddler: Market Potential**
Cameron Buller '16 – ME
 - 2:50 **Fiddler: Electrical Design and Implementation**

Brendan Celii '16 – EE