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
       Dahee 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