



Mechanical Engineering Program

**AGENDA FOR THE SPRING 2014  
INDUSTRIAL ADVISORY BOARD MEETING AND  
SENIOR DESIGN ORGANIZATION PRESENTATIONS**

Engineering Center, **EC2300**  
**April 16<sup>th</sup>, 2014**

**TODAY'S SESSION (9:00 a.m. - 3:15 p.m.)**

9:00 - 9:20	Continental Breakfast
9:20 - 9:30	Welcome, Dr. Cesar Levy, MME Chair
<b>Project Introductions by Senior Design Organization Teams (5 min Intro + 10 min Q&amp;A)</b>	
(Will present tomorrow 12:40-12:55)	<b>Team 1: Scalable Regolith Ceramic Based Micro/Mini-channel Heat Exchanger</b> Michael Abbott, Sasha Philius, Yonatan Z'ev Rotenberg
9:30 – 9:45	<b>Team 2: Bicycle Powered Water Filtration System</b> Sandra I. Alzate Rendon, Justin Blake Cromartie, Betzabe Ruth Gonzalez Canchan, Kenneth A Hernandez
9:45 – 10:00	<b>Team 3: Solar Absorption Chiller</b> Juan C Aristizabal, Robert Martin, Mikail David Williams, Adrian Felipe Gonzalez
10:00 – 10:15	<b>Team 4: Inspection Device for Underground Tanks Located at Hanford Site</b> Jennifer Arniella. Gabriela Iris Vazquez, Daniel Giraldo
10:15 – 10:30	<b>Team 5: Solar Powered Steam Engine</b> Victor Eduardo Berrueta, Alejandro Forero, Charbel Saghira Seguias Jr
10:30 – 10:45	<b>Team 6: SAE Aero Design® Brazil Competition</b> Andres Javier Cardenas, Nestor Amable Paz, Arjav Patel
10:45 – 11:00	<b>Coffee/Restroom/Media Break</b>
11:00 - 11:15	<b>Team 7: Multi-Purpose Aerial Drone</b> Ramon Andres Cordero, Raquel Lauren Remington, Larry James March, Daniel, Villanueva
11:15 – 11:30	<b>Team 8: Pneumatic Pass-Thru Impact Wrench</b> Luis Felipe De La Cruz, Milton Hidalgo Ceotto, Ryan Joseph Lucia

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College of Engineering and Computing

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11:30 – 11:45	<b>Team 9: Development of the 2015 FSAE Chassis &amp; Suspension</b> Alejandro Diaz, Osvaldo Adalberto Fernandez, Ricardo Giovanni Gonzalez, Christian J Ramos
11:45 - 12:00	<b>Team 10: Design, Analysis, and Construction of a Reaction Control System for an Orbital Launch Vehicle</b> David Manuel Dominguez, Gianni Rafael Jimenez, Genesis Vasquez
12:00 - 12:15	<b>Team 11: Remotely Operated Underwater Vehicle (ROV)</b> Edgar Charles English II, Daniel Martinez, Ryan Wright
12:15 - 12:30	<b>Team 12: Florida Space Grant Consortium FUNSAT Design Competition</b> Luis Alberto Fernandez, Giampiero C. Revelo, Henry Vazquez, Gonzalo Vivanco
12:30 - 2:00	<b>IAB and MME Faculty Working Luncheon</b>
2:00 – 2:15	<b>Team 13: Green Energy on the Caribbean Sea</b> Dominic Luther Gayle, Francisco Javier Molinares, William Rosado
2:15 – 2:30	<b>Team 14: Solar Cooled</b> Brent Stephen Houghton, Alejandro Osorio
2:30-2:45	<b>Team 15: Radial Compressor</b> Fernando Alberto Lopez, Xavier Guillermo Medina, Gianfranco Romulo Pisani
2:45 – 3:00	<b>Team 16: Biodiesel Pre-Treatment System</b> Harrison Sam Mejia, Rainer Rodriguez, Favyan Torres
3:00 – 3:15	<b>Awards Ceremony &amp; Group Photo Opportunity</b>

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