

EVALUATOR (IAB  or FACULTY ):

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**EML 4905  
Senior Design Project**

**Department of Mechanical Engineering  
Florida International University  
Miami, Florida**

**EML 4905 Spring 2010 • EML 4551 Fall 2009**

**MINI TEAM PRESENTATIONS TO THE INDUSTRIAL ADVISORY BOARD  
January 14, 2010**

Please enter your comments in the box immediately below each team. These comments will be made available to teams, and are important feedback for improvement.

<b>Team 1: Solar Stirling Engine for Power Generation</b>
Denisse Aranda, Kevin La Mott, Stephen Wood

<b>Team 6: SAE Aero Design East Competition</b>
Alan Abad, Hernando Buendia, David Garzon, Oscar Villatoro

<b>Team 10: A New Heat Engine and its Applications in Renewable Energy</b>
Bruno Barbosa, Hector Cintron, Glenn Drzewicki

<b>Team 14: Peristaltic Crawler for the Removal of Radioactive Plugs</b>
Lee Brady, Jose Matos, Brian Posse

<b>Team 13: New A/C System Using Refrigerants with Zero Global Warming Potential</b>
Javier Garcia, Najeeb Reyes, Jomal Whiteside

<b>Team 3: Design of a Ring Seal Testbed</b>
Diana Chicuri, Daniel Garcia, Oswaldo Noriega

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**Team 11: Paddle Maker Design and Material Optimization**

Orena Danoa, Jorge Ramon, Nestor Vega

**Team 8: Material Test Bench for FEA/FEM Analysis Comparison**

Jeffrey Karpf, Yassel Valdes, Robert Vergara

**Team 2: Adaptation of a Small Scale Internal Combustion Engine to a Dynamometer**

Joseh Moreno, Leslie Paredes, Karina Santa

**Team 7: Cube Satellite Design**

Raimundo Onetto, Holger Paas, Homero Perez

**Team 12: Vortex Generator for Hydro Turbine**

Johnson Ng, Snehil Raisinghani, Karson Wong

**Team 4: Design of a Demonstration Unit for Ground Source Heat Pump for Subtropical Region with Solar Power**

Daniel Alonzo, Martha Casas, Esteban Cifuentes

**Team 5: Enhanced Hurricane Protection**

Jason Barrocas, Kevin Hernandez, Tanisha Richard

**Team 9: Compost Accelerator**

Jorge Ramirez, Stephano Salani, Eric Zuniga