

2011 Florida Engineering Education Conference - Program Agenda

2011 Program Order	
8:00 – 9:30 AM	Registration Confirmation and Refreshments
8:45	<u>Welcome from the Dean:</u> Dr. Marwan Simaan, Dean, UCF-CECS
9:00	<u>Keynote:</u> Astronaut Jon McBride, Vice President, Planning and Education Kennedy Space Center Visitor Complex, Delaware North Parks & Resorts at KSC, Inc.
9:30	<u>Conference Overview:</u> Bruce Furino, Director, UCF-CECS Outreach
9:45 – 10:50 AM	Session One: The Future of Space Exploration
9:45	<u>Session Moderator:</u> Mr. Jim Clamons, Vice President of Engineering Operations at the at the Government Communications Systems Division, Harris Corporation
9:55	<u>Presenter One:</u> Mr. Tom Shircliff, Space Business Development, Lockheed Martin Corporation
10:10	<u>Presenter Two:</u> William (Bill) Gattle, Vice President of Space Communication Systems at the Government Communications Systems Division, Harris Corporation
10:25	<u>Presenter Three:</u> Tom Wells, Senior Engineering Manager, IP, University Relations, Standards, and Technology, Harris Corporation
10:40	Moderator to entertain questions from the audience and the panel
10:50	Session Ends

<p>11:00 – 11:50 PM</p> <p>11:00</p> <p>11:08</p> <p>11:16</p> <p>11:24</p> <p>11:32</p> <p>11:40</p> <p>11:50</p>	<p>Session Two: Integrating space science engineering education into the K12 classroom</p> <p><u>Session Moderator:</u> Caleb Harding, Student Experience Advocate, Curriculum Research and Discovery, Florida Virtual School</p> <p><u>Presenter One:</u> Kay Borglum, Space Lab and Biotechnology Science Teacher, Sanford Middle School, Sanford, FL</p> <p><u>Presenter Two:</u> Lori Beth Bradner, Science Instructor/Polk Regional Science & Engineering Fair Director and George E. Bartuska, Engineering & Aerospace Instructor, Central Florida Aerospace Academy/ Kathleen High School, Lakeland, FL</p> <p><u>Presenter Three:</u> Carole Maggio, Stem Lab teacher K-5, Liberty Elementary, Port Charlotte, FL</p> <p><u>Presenter Four:</u> Allyson Prince & Carol Conner, Stonewall Jackson Middle School, Orlando, FL</p> <p>Moderator to entertain questions from the audience and the panel</p> <p>Session Ends</p>
<p>12:00 – 12:55 PM</p> <p>12:15</p>	<p>Lunch</p> <p>Lunch Presentation (Dr. Sylvia James, Program Director, Division of Research on Learning in Formal and Informal Settings, NSF)</p>
<p>1:00 – 2:00 PM</p> <p>1:00</p> <p>1:08</p> <p>1:16</p> <p>1:24</p> <p>1:32</p> <p>1:40</p>	<p>Session Three: Industry – Government - Professional Organization sponsored engineering education programs</p> <p><u>Session Moderator:</u> Cheryl Thornton, NASA-KSC, Informal Education</p> <p><u>Presenter One:</u> Bill Yucuis, President, Air Force Association, Central Florida Chapter</p> <p><u>Presenter Two:</u> Sean Denny, IEEE FWCS Teacher In Service Chairman</p> <p><u>Presenter Three:</u> Rick Soria, Co-Chair, Okaloosa County School District Engineers For America STEM Initiative</p> <p><u>Presenter Four:</u> Jack Colpas, co-director, Helping Kids Reach for the Stars / Reach for the Stars Rocket Competition</p> <p>Session Ends and Panel Questions</p>

<p>1:50</p> <p>2:00</p> <p>2:20</p>	<p><u>Close of Formal Sessions:</u> Bruce Furino, Director, CECS Outreach</p> <p>Review of Afternoon Workshops Evaluation Form Thank you and Future Plans</p> <p>Formal Conference Sessions End</p>
<p>2:30 - 3:30 PM</p> <p>3:47 PM</p>	<p>Afternoon Workshops:</p> <p><u>Workshop 1 (Harris Eng Cen - Room 119):</u> NASA Hands on Workshop - Styrofoam Plate Speakers (conducted by Annesly Wood)</p> <p><u>Workshop 2 (Harris Eng Cen - Room 104):</u> Helping Kids Reach for the Stars through Model Rocketry (conducted by Jack “The Rocketman” Colpas)</p> <p><u>Workshop 3 (Eng. II - Room 203):</u> INSPIRE-ing Engineers (conducted by Ms. Cristina Malphus, M.Ed.)</p> <p><u>Workshop 4 (Eng. II - Room 205):</u> “Using IT tools to interest students in space science and other STEM fields of study” (conducted by Dr. Elizabeth Biddle, Associate Technical Fellow, The Boeing Company)</p> <p><i>Shuttle Launch</i></p>