

Systems Engineering Workshop October 16 & 17, 2008

Houston, Texas

| Thursday Oct 16, 2008 | AGENDA Gilruth Center – Alamo Ballroom |
|--------------------------|--|
| 7:30 a.m. | Breakfast and Registration |
| 8:15 a.m. | Introductions and Agenda Review |
| 8:30 a.m. | Welcome to JSC Ellen Conners, Director, JSC External Relations Stephen Altemus, Director, JSC Engineering Directorate |
| 9:00 a.m. | Keynote Speaker Mike Ryschkewitsch, NASA Chief Engineer |
| 10:00 a.m. | The Art of Systems Engineering John Muratore, Research Associate Professor, University of Tennessee Space Institute |
| 10:45 a.m. | Break |
| 11:00 a.m. | Systems Engineering Professional Development at NASA <ul style="list-style-type: none"> ➤ Agency-level Initiatives Christine Williams, NASA Chief Engineer's Office ➤ JSC Engineering Academy Initiatives Jason Nelson, JSC Human Resources Development Branch |
| 12:00 p.m. | Lunch |
| 1:00 p.m. | NASA Student Programs related to Systems Engineering <ul style="list-style-type: none"> ➤ Explorations Systems Mission Directorate Higher Education Programs Jerry Hartman, Education Director, NASA Headquarters/ESMD ➤ Systems Engineering Education Discovery (SEED) Project Kamlesh Lulla, Deputy Manager, University Research and Affairs Office, JSC |
| 2:00 p.m. | Aerospace Engineering Curriculum Changes at UT-Austin Wallace Fowler, Aerospace Engineering Professor, The University of Texas at Austin |
| 2:30 p.m. | Break |
| 2:45 p.m. | Space Systems Engineering Curriculum - the Pilot Lisa Guerra, Research Fellow at UT-Austin, NASA Exploration Systems Mission Directorate |
| 4:00 p.m. | Student Panel with JSC Mentors: Taking the Pilot Class and Participating in SE Internships at JSC Moderator: John Christian, Aerospace Engineering Ph.D candidate, UT-Austin UT-Austin Students: Chris Wu, Dan Torczynski and Kevin Burnett JSC Mentors: Jeff Davis, Cinda Chullen, Tim Fisher, Jane Malin |
| 5:30 p.m. | Adjourn |

**Systems Engineering Workshop
October 16 & 17, 2008**

Houston, Texas

| Friday Oct 17, 2008 | AGENDA Gilruth Center – Alamo Ballroom |
|------------------------|---|
| 8:00 a.m. | Breakfast |
| 8:30 a.m. | Faculty Panel: Lessons Learned in Teaching Systems Engineering Moderator: Paul Graf, University of Colorado - Boulder Panel Members: Barrett Caldwell - Purdue University; Carlee Bishop - Georgia Institute of Technology; Suzanne Smith - University of Kentucky; Alice Squires - Stevens Institute |
| 10:00 a.m. | Air Force Case Study Development and Use in the Classroom Charles Garland, Senior Consultant, Air Force Center for Systems Engineering John Colombi, Assistant Professor of Systems Engineering, Air Force Institute of Technology |
| 10:45 a.m. | Break |
| 11:00 a.m. | Use of NASA Case Studies in Teaching Systems Engineering Edward Rogers, Chief Knowledge Officer, Goddard Space Flight Center |
| 11:30 p.m. | Lunch Speaker: Wayne Hale, Deputy Associate Administrator of Strategic Partnerships. "Managing Complex Projects" |
| 1:00 p.m. | Closing Thoughts; Future Efforts Lisa Guerra, Research Fellow at UT-Austin, NASA Exploration Systems Mission Directorate Kamlesh Lulla, Deputy Manager, University Research and Affairs Office, JSC |
| 1:30 p.m. | Adjourn |
| 2:00 p.m. | JSC Tour of Constellation Systems (optional; US citizenship required) |