

## **Program Committee Report**

**1/19/2016**

Chairman, Denny Holt

In 2015, fifteen NAL programs were conducted to update our members on what is going on at JSC and in Human Space Flight. The following events were held during 2015:

### **A. Commemoration of Gemini 7/6 - 50th Anniversary of the First Space Rendezvous**

December 2, 2015 – Joint NAL and JSC S&MA Knowledge Capture event, “Gemini 76 Remembered; the 50th Anniversary of the First Rendezvous – Panel discussion with Chris Kraft, Frank Borman, Tom Stafford, moderated by Glynn Lunney.

### **B. 2015 NAL Social / Dinner Programs**

Four Social/Dinner Program presentations were conducted.

1. February 24, 2015 – NASA Alumni League Winter Social & Dinner Program, “Crossing the Space Frontier” – Development of Advanced Propulsion for Space Exploration” - Franklin Chang-Diaz, PhD., Astronaut; Researcher; Author; President & CEO Ad Astra Rocket Company
2. March 19, 2015 – Joint AIAA-NAL Social & Dinner Program, “NRC Report: Pathways to Exploration – Rationales and Approaches for a U.S. Program of Human Space Exploration” - Mary Lynne Dittmar, PhD., Member, Committee on Human Spaceflight, National Research Council. Joint Program with
3. June 22, 2015 – NAL Summer Social & Dinner Program, “State of NASA and Johnson Space Center” - Ellen Ochoa, PhD., Director, Johnson Space Center
4. October 13, 2015 – NAL Fall Social & Dinner Program, "NexGen Space Study: Economic Assessment and Systems Analysis of an Evolvable Lunar Architecture (ELA) that Leverages Commercial Space Capabilities and Public-Private-Partnerships – Tom Moser, ELA Independent Review Team, former JSC Director of Engineering, and former Space Station Program Director

### **C. 2015 1<sup>st</sup> Thursday programs**

Ten First Thursday of the Month presentations were conducted and provided excellent insight over a broad range of current technical topics and general interest subjects in an informal setting.

1. March 5, 2015 – “Robonaut” – Julia Badger, PhD., Deputy Chief, Robotic Systems Technology Branch, JSC Engineering
2. April 2, 2015 – "Orion EFT-1 Results" – Mark Geyer, Orion Program Manager
3. May 7, 2015 – "Rocket Spotting in North Korea: an Eyewitness Account" – Jim Oberg, Author and Space Reporter
4. June 4, 2015 – "Advanced Propulsion Overview on Quantum Thruster and Warp Drive Research" – Harold (Sonny) White, PhD., JSC/Propulsion & Power Division
5. July 2, 2015 – "Rovers, Lavatubes and Basalt Construction - NASA and Hawaii working together on Planetary Surface Systems for Moon and Mars" – Rob Kelso, Executive Director, Pacific International Space Center for Exploration Systems (PISCES)
6. August 6, 2015 – "Two Opportunities for NAL Members to get involved" – "Space Alliance Technology Outreach Program (SATOP)" – Bob Payne, SATOP Director, Bay Area Houston Economic Partnership (BAHEP); “JSC’s Mentoring Mid-Year Expo” – Jon Hall, NAL Liaison to JSC Mentoring Program
7. September 3, 2015 – "Not your father's NASA; How NASA's public engagement program has evolved with the times." – Mike Kincaid, Director, JSC External Relations, “NAL Participation at JSC’s Mentoring Mid-Year Expo on September 23, 2015” – Jon Hall, NAL Liaison to JSC Mentoring Program
8. October 1, 2015 – "Commercial Crew Program (CCP) Update" – Ed Burns, Manager, CCP System Engineering & Integration
9. November 5, 2015 – "A Passion for Space: Adventures of a Pioneering Female NASA Flight Controller", - Marianne Dyson, Author and Former Space Shuttle Flight Controller
10. December 3, 2015 – "Apollo MCC Restoration" – Sandra Tetley, JSC Historic Preservation Officer, and "Space Center Houston's new Orbiter/SCA exhibit", Tracy Lamm, SCH Chief Operating Officer