



**AIAA/AFA/AOSNY/ASME/ISA  
/IEEE(AES)/IIE Joint Meeting**

**Monday, September 29, 2014**

**Dr. Michael Kezirian,  
Associate Technical Fellow, Boeing Company  
Adjunct Associate Professor, Department of Astronautics, USC**

**“Development of a Commercial Crew Space Vehicle:  
The Next Phase”**

**Location: Bethpage Public Library  
47 Powell Avenue  
Bethpage, NY 11714**

**Time: 6:00 PM Social Time  
6:30 PM Pizza  
7:00 PM Presentation**

**Cost for Pizza: \$5, Members and Guests  
Free, for Students**

**RESERVATIONS REQUESTED  
RSVP BY September 28, 2014  
to: David Paris at  
[davidsparis@optonline.net](mailto:davidsparis@optonline.net)  
or (516) 458-8593**

Before the date of this meeting, NASA will have announced phase II of the Commercial Crew Transportation Capability (CCtCap) Program. Boeing has been one of three companies under Phase I NASA contracts to develop a crew carrying vehicle that will provide US capability for safe, reliable and cost effective access to low-Earth orbit including the International Space Station (ISS) with a goal of first crew flight no later than 2017. Currently there are three funded first phase projects: Boeing CST-100 (Crew Space Transportation) Capsule; Sierra Nevada Corporation DreamChaser; and SpaceX Dragon V2.0. NASA funding for at least one of these projects will not be continued. Additionally, Blue Origin is developing an orbital Space Vehicle, without NASA funding. This talk will provide an overview of the Commercial Crew Program with an emphasis on the capabilities of the Boeing CST-100.

Dr. Michael T. Kezirian received his Bachelors from Brown University and his Doctorate from MIT, both in chemical engineering. He has been a propulsion analyst at TRW Space and Technology Group (now Northrop Grumman) and later built software algorithms for spacecraft autonomy at the Hughes Space and Communication Group (now Boeing). At Boeing, he has worked on commercial and government communication satellite programs, and has supported human spaceflight in both the Space Shuttle and ISS Programs. Now an Associate Technical Fellow at Boeing, he is working on the design of the CST-100. At USC, he teaches “Safety of Space Systems and Space Missions.” Dr. Kezirian has received numerous honors and awards; in 2009 he was awarded the Astronauts’ Personal Achievement Award, or Silver Snoopy award.

**Directions:** The library is west of Route 135 in Bethpage. Take Route 135 to Exit 8, then West on Powell Ave. for about 0.25 miles. The library is on the south side of the street. Park across Powell Ave., opposite the library.