Conference: 217th American Astronomical Society (AAS)

Location: Seattle, WA **Dates:** 1/9-1/13/2011

Title: "The Integration and Test Program of the James Webb Space Telescope"

Presenter: Kimble, Randy

Abstract:

With the delivery of its flight scientific instruments and the completion of all telescope optics both scheduled to occur later this year, the James Webb Space Telescope (JWST) will enter into a challenging integration and test (I&T) program. Highlights of that program include cryo-vacuum tests of the Integrated Science Instrument Module (ISIM) at Goddard Space Flight Center, ambient integration of the ISIM and the Optical Telescope Element (OTE) at Goddard, and an end-to-end cryo-vacuum test of the OTE + ISIM system at Johnson Space Center. We review the overall flow of the I&T program, highlighting the key activities and the critical verifications to be performed at each step.