



# The International Test and Evaluation Association

invites you to experience a *free*  
**Hands-on Lab Exercise**

Tues, May 17 [1:00—5:00] and Wed, May 18 [1:00—3:30] | Tuscany Hotel, 255 East Flamingo Rd, Las Vegas






## What to Expect

- ⇒ A holistic journey through the entire flight test process
- ⇒ Witness 7 phases of flight test
- ⇒ Each phase supported by a government Subject Matter Expert (SME) and partnering industry vendor
- ⇒ The SME provides educational overview
- ⇒ The partnering industry vendor share the hands-on experience

Full-time students will receive a 1-year membership to ITEA for participating.

This is an opportunity to follow the flight test process through visualization of the signals, sampling of the data, interaction with the processes, understanding how changes in the test article translate to results in the test data, and how system formats are designed to be standardized for improved test interoperability, providing the integration of different vendors to achieve Development Test & Evaluation (DT&E) success.

### An End-to-End | Flight Test Telemetry | Educational Experience

| Phase 1                                                                             | Phase 2                                                               | Phase 3                 | Phase 4                                                                             | Phase 5                                                                              | Phase 6                                                                               | Phase 7                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |                                                                       |                         |  |  |  |  |
| Aircraft                                                                            |                                                                       |                         | Ground Station                                                                      |                                                                                      | Control Room                                                                          | Post-Test                                                                             |
| - Sensor Data Generation                                                            | - Data Acquisition<br>- Data Multiplexing<br>- Onboard Data Recording | - Airborne Transmission | - Data Receiving<br>- Data Transport                                                | - Data Decom<br>- Data Recording                                                     | - Real-Time Processing and Display                                                    | - Post-Flight Processing and Analysis                                                 |

## Why Attend

- ◆ Technical insight related to a specific phase
- ◆ See the newest technologies available from the vendor
- ◆ Ask the tough questions to both SMEs and vendors
- ◆ An avenue for enhancing your engineering career—meet the experts in government and industry
- ◆ Bridge disciplines of engineering into one experience

## Next Steps—upon arrival to Florentine F/G

1. Fill out a card with your contact information.
2. Receive an information sheet with all the details of the phases.
3. Visit each station—Get your card stamped after each phase. *[In no particular order—but you must visit all 7 phases]*
4. At the conclusion—Enter your card into a raffle for a great prize.

The Test Instrumentation Workshop will be held during the week—if you would like to learn more visit the ITEA website under Events.

Contact ITEA for more information  
info@itea.org or 703-631-6220