

Test Instrumentation Workshop

MAY 14-16, 2024 • LAS VEGAS, NEVADA



CALL FOR PAPERS & TUTORIALS | EXHIBITS & SPONSORS

T&E Challenges for Beyond Line of Sight

Overview

As testing requirements become more stringent with the need to collect data spanning hundreds of miles beyond the current capacity of a range, the ability to test robustly is becoming a challenge for the test and instrumentation community. From telemetry, data collection, to the ability to interoperate between ranges, etc., *testing beyond line of sight* offers unique challenges and opportunities. With such requirements in mind, the goal of the 2024 ITEA Test Instrumentation Workshop is to develop solutions for current test needs and emerging requirements in all the Major Range Test Facilities Bases (MRTFB).

Topics for Technical Tracks and Tutorials

Below are topics for technical tracks and tutorials. We welcome suggestions for other topics and invite you to serve as the chair and organizer of a technical track.

- **Spectrum Usage**
- **Telemetry and Relay**
- **AI/ML**
- **Autonomous Systems**
- **Flight Termination**
- **Constrained RF Environments**
- **Data Analytics**
- **Interoperability of Ranges**
- **Live Virtual Construct**
- **Tracking Radar and TSPI Systems**
- **Development of Future BLOS Skillsets**
- **Cybersecurity**
- **Long Range Fires**
- **Other**

Technical Program

Presentations will be unclassified and open to the general T&E community, however, restricted sessions (up to Controlled Unclassified Information (CUI)) may be considered. Sessions and presentations are timed for the convenience of the attendee. Each session features presentations submitted by technical experts from the T&E arena. Abstracts must be strictly non-commercial in scope, pertinent to a technical topic, and no longer than 500 words.

Tutorials

ITEA offers 4-hour tutorials the day before the Workshop begins (Monday afternoon and Tuesday morning). This allows individuals to take advantage of increasing their continuing professional education credits. Tutorials require a

separate registration from the Workshop. Instructors receive a complimentary registration to attend the Workshop; a secondary instructor will register at the full rate.

To help you to maintain, develop, or increase your knowledge, problem-solving, technical skills, or professional performance standards, these tutorials are often directly mapped to our CTEP certification and the four domains that have been identified by our Board of Examiners. As a bonus, ITEA offers members an option to sit for the CTEP exam when choosing two tutorials per event.

Submission

Abstracts are due March 31, 2024

Please ensure your abstract is approved for public release and cleared through your organization prior to submitting for consideration. Once your abstract has been accepted, you will be notified with further instructions. Due to the short period of time between announcement and submission, contact us if you have any questions. Presenters are not exempt from registration and conference fees. The primary presenter will receive a discounted rate, all other presenters/co-authors will register at the full rate.

ATTENTION EXHIBITORS AND SPONSORS

Exhibits

Due to the overwhelming success of last year's workshop, we are once again offering our Exhibitors the opportunity to participate in the Hands-on-Lab Exercise. Space for this activity is limited, please let contact us if you would like to be a part of this exercise. Commercial, academic, and government exhibits will play an integral part in the Workshop. We will put you in the right place at the right time. Increase your visibility, network with key players, and show your support and commitment to industry and the community!

Hands-on-Lab Experience

The Hands-on-Lab (HOL) is a holistic journey through the entire flight test process. HOL represents seven different phases of flight test. Each of the phases is supported by a government Subject Matter Expert (SME) and partnering industry vendors. The SME provides an educational overview and the partnering

industry vendors share a Hands-On experience with technical insight related to the specific phase they are representing. This experience was designed to allow attendees 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.

Sponsorships available

ITEA is a 501(c)(3) professional education association dedicated to the education and advancement of the test and evaluation profession. Sponsorships, in part, are tax deductible. Sponsorship opportunities are available to highlight your organization before and during the Symposium. Let us know your budget and we will help you get noticed.

OTHER DETAILS

Hotel

The Tuscany Hotel
255 East Flamingo Rd
Las Vegas, NV 89169
877-887-2261

We recommend making your reservation early. ITEA negotiated rate of \$89 with no resort fee is being offered to our attendees. Call the hotel and speak directly with reservations and ask for the ITEA Workshop rate. It is easier to get this great rate by calling rather than using the online reservation.

Registration

[Regular Registration](#) until April 15

\$845 – Non-Member

\$695 – ITEA Member / Gov't Employee / Active-Duty Military

[Late Registration](#) after April 15

\$945 – Non-Member

\$795 – ITEA Member / Gov't Employee / Active-Duty Military

[Special Registration](#)

\$495 for anyone presenting

Planning Committee

If you have any questions, contact us at tiw@itea.org

[Program Chair](#)

Jean Paul (JP) Santos, PhD

Chief Technology Officer (CTO)

Airborne Instrumentation Systems Department (AISD)

[Technical Program Chair](#)

To Be Announced

[Hands-on-Lab Exercise](#)

Sean Conway

412th RANS/ENREX

[Tutorial Chair](#)

To be Announced

Kathi Swagerty, [ITEA Kathi@itea.org](mailto:ITEA.Kathi@itea.org)

[Exhibits / Sponsors / Registration](#)

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