

Workshop Focus

This workshop focuses on the use of test instrumentation and resulting data. From the sensor to the recorder, to the display in the control room, and finally the plot in the test report, we all use instrumentation.

Future Test and Evaluation (T&E) will take place with limited resources on both sides—the equipment and the people who use it. With the ever-increasing complexity of test articles and decreasing schedules and budgets, T&E organizations have begun searching for new ways to instrument, test, and evaluate aeronautical systems. Facing shortages in equipment, capabilities, and personnel, today's T&E leaders must unleash their people to innovate to plan, provision, and conduct missions safely and effectively.

Our goal is to identify and address those instrumentation and data issues and challenges faced by the flight test community. Please join us at the 2020 ITEA Test Instrumentation Workshop to share your experiences, lessons learned, and solutions to the problems we face in today's constrained test and evaluation environments.

This workshop is centrally located in the US South West Range complex, the largest test and training range in the world. Home to Air Force, Army, Navy, NASA, and commercial test and training facilities, it also encompasses some of the most innovative and leading-edge aerospace companies in the world.

Hotel Information

The Tuscany Suites and Conference Center
255 E. Flamingo Road, Las Vegas, NV 89169
www.tuscanylv.com • (877) 887-2261

ITEA is pleased to offer very special below government per diem rates of \$72 per night for Sunday-Thursday, and \$125 per night for Friday and Saturday. Please note this property is the host hotel and when making your reservation you must indicate you are with the ITEA workshop. Book online at: <https://www.tuscanylv.webhotel.microsdc.us>, or call (877) 887-2261 - Group code 1592KF. Room Block ends August 17, 2020. The hotel will require a deposit of one night stay, including tax to hold the reservation. Your reservation must be cancelled within 72 hours in order to avoid any penalties.

Tuscany offers attractive oversized guest suites and each suite is situated in a lovely European setting that offers a great sense of relaxation and privacy. Inspired by the Tuscany region of Northern Italy, the hotel boasts a warm and welcoming atmosphere surrounded by lush gardens, some of the largest standard hotel suites in the city and thoughtful amenities to ensure the most comfortable stay possible.

WORKSHOP CHAIR

Darryl Johnson
Southern Nevada Chapter President
JT4, NAWCD-China Lake
TIW@itea.org

TECHNICAL PROGRAM CHAIR

Christopher Newman
TIW@itea.org

EXHIBITS, SPONSORSHIPS and REGISTRATION

Lena Moran
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International Test and Evaluation Association
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Fairfax, VA 22030

CALL FOR ABSTRACTS, EXHIBITS AND SPONSORS

**2020 Test Instrumentation Workshop:
Innovating for Tomorrow's Challenges**
August 31-September 2, 2020 • Las Vegas, Nevada
Deadline: June 19, 2020

Call for Abstracts | Exhibits | Sponsors

Deadline: June 19, 2020

24th Test Instrumentation Workshop: *Innovating for Tomorrow's Challenges*



August 31-September 2, 2020
Tuscany Suites and Conference Center
Las Vegas, Nevada



Hosted by the ITEA Southern Nevada
and Antelope Valley Chapters

Innovating for Tomorrow's Challenges

This year's workshop will address innovations and solutions to support today's test mission as well those of the future. Leveraging the expertise from the DOD, DHS, industry, and academia, this year's workshop will lay the foundation to ensure our processes, procedures, and tools will effectively protect our nations and allies.

Suggested Topics

- Airborne Instrumentation
- Cyber T&E/Risk Management Framework
- Data Analytics
- Electronic Warfare/Sensor System Instrumentation
- Electronic Warfare/Threat Systems
- Innovation and Development in an Operational T&E Environment
- Integrating New Technology on the Range
- Mission Control
- Network Telemetry
- Operations and Maintenance of Range Systems
- Program Management/Systems Engineering
- Range Instrumentation
- Range Interoperability/Cross Range Operations
- RF Telemetry
- Test Range/Test Infrastructure Updates (Commercial, DOD, DHS, DOE)
- Test Safety (Flight Termination Systems, etc.)
- Weapons Effects
- Special Topics: Targets (Ground-Fixed, Ground-Mobile, Airborne, Autonomous Vehicle); Swarm Techniques; UAS & C-UAS; AI)

Paper or Presentation Abstract Submission

Abstracts will be accepted on a "Space Available" basis through June 19th

Sessions will be unclassified and open to the general T&E community, however, restricted sessions (up to FOUO) may be made available. Abstracts will be reviewed for a presentation during a conference session or as a poster paper. Presentations will be published in proceedings and made available to all attendees.

Abstracts should be non-commercial in scope, pertinent to conference topic, no longer than 500 words, and releasable to the general public. Visit the ITEA website for the **Abstract submission form that must be submitted to TIW@itea.org**.

Call for Tutorials

Tutorials that address the theme of the symposium are being requested. Tutorials must be strictly non-marketing in scope, unclassified, and public releasable. **To be considered, please submit your abstract by June 19th to TIW@itea.org**. The subject line should read "TIW Tutorial: Title."

Guidelines for Presentations at ITEA Events

Presentations at ITEA events should:

- Contribute technically sound knowledge in a particular area of test and evaluation;
- Present new knowledge or experience that has not been published previously; and,
- Not be commercial, marketing, or "infomercial" in nature. The presentation's introductory slide is the only slide that may contain the presenter's company name and/or logo. Presentations that promote specific companies, organizations, products, or services are reserved for the Exhibit Hall or Vendor Track Sessions, and strictly prohibited in Pre-Workshop sessions (including tutorials, demonstrations, and other presentations), and the Workshop Plenary and Technical Track sessions.
- Tutorials are typically scheduled for either a half-day or full day, should include comprehensive presentations on well-established topics, and may include hands-on exercises on using various software and/or hardware tools. Technical Track Session presentations are shorter than tutorials and usually last 30 minutes. While tutorials go into considerable depth, Technical Track Session presentations give quick holistic overviews of interesting emerging topics with a concentration on fundamentals and projection about the future of these topics.
- Poster Presentations, usually displayed in the Exhibit Hall, are designed to present works-in-progress, new ideas, and emerging fields and research topics in test and evaluation. Poster presenters are expected to bring their printed poster and handouts, and to be present during scheduled times for the Poster Presentation session(s). Attendees will browse the posters and directly interact with the presenters. Thus, the poster session is intended to be an informal, conversational forum for new ideas.

Registration Fees

Registration fees are available on www.itea.org.

Exhibits

Exhibit space is available for the public and private sectors to display products and services related to test and evaluation. For more information, contact Lena Moran, (951) 219-4817 or Lnpna3@gmail.com.

Sponsorships

We are anticipating a record number of attendees and exhibitors this year, and sponsorships are welcomed. Sponsorship dollars defer the cost of the workshop and support the ITEA scholarship fund, which assists deserving students in their pursuit of academic disciplines related to the test and evaluation profession. For more information on the levels of sponsorship and the benefits associated with each level, contact Lena Moran, (951) 219-4817 or Lnpna3@gmail.com.

Previous SPONSORS Include

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Previous EXHIBITORS Include

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Lockheed Martin Mission Systems
Meggit Sensing Systems
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Please check www.itea.org for more details on the program – tutorials being offered – and much more!