***Submissions Due:*** ***July 6, 2018***

**ABSTRACTS AND PAPER SUBMISSION FOR TECHNICAL TRACK SESSIONS**

Send completed submission form to: [Test\_Technology@itea.org](mailto:Test_Technology@itea.org), using the following file name:

LASTNAME-FIRSTNAME-2018-TTR-Abstact-Submission

The 2018 ITEA Test Technology Review Workshop is scheduled for September 26-27, 2018 with the theme “*Testing Tomorrow’s Technology with Today’s Capabilities*”. Current test and evaluation capabilities haven’t kept pace with state-of-the-art technologies being developed and designed into commercial and military systems. Innovative test approaches using current test capability infrastructure as well as more capable instrumentation and measurement systems will be required to adequately address this challenge. Examples of these advanced technologies include robotics, artificial intelligence, nano-scale electronics, high performance sensors, 5G wireless systems, and complex human machine interfaces.

**ABSTRACTS AND PAPER SUBMISSION FOR TECHNICAL TRACK SESSIONS**

Presentation topics must either be about disruptive technologies, challenges in testing disruptive technologies or disruptive technologies that could improve current test capabilities. Authors are strongly encouraged to submit both a paper and presentation however the paper is not required. All materials must be cleared for public release, so please start your internal release process as soon as possible.

Deadline for abstract submissions is July 6, 2018. Authors will be notified of acceptance by July 27, 2018. Presentations are due by September 7, 2018.

Full papers are especially solicited and will be considered for publication in The ITEA Journal. Manuscript guidelines are found at www.itea.org.under the Publications tab. All papers and presentations must be cleared for public release. Full papers are due by October 12, 2018.

**Please Note:** All 2017 Test Technology Review presenters will be given the opportunity to have their papers published in *The ITEA Journal of Test and Evaluation*. Review participants will receive, within 30-45 days following the meeting, a link to comprehensive, unclassified materials from key note and special guest speakers, panel sessions, technical tracks and technical papers.

If you would like to also submit a paper for consideration for publication in *The ITEA Journal of Test and Evaluation* you will need to prepare a full manuscript that adheres to the Journal guidelines. The submitting author must also complete and sign a copyright agreement and release form. Visit the ITEA website for all the details on the submission guidelines:

<http://www.itea.org/files/ITEA_Journal_Article_Submission_Guidelines_At-A-Glance.pdf>

***Abstracts will only be accepted if the following information is completed***

|  |  |
| --- | --- |
| Title of Presentation: |  |
| Requested Track:  *(Check all TOPICS*  *that your presentation would address)* | **TOPICS FOR CONSIDERATION**  Efficient test processes for an information saturated environment  Emerging system upgrades that that could cause significant disruptions to T&E to include movement toward composite materials, testing in GPS-denied environments, the use of UAS as part of range instrumentation, and the need for miniaturized instrumentation systems for miniature UAS, smaller missile systems, etc.  Improvements to T&E processes to collect, manage, process, and analyze the massive quantities of data that are available in increasingly complex data structures.  Innovative Science and Technology (S&T) initiatives with potential to revolutionize modern systems to include the potential long-term impact of current S&T initiatives for weapon systems testing in the future.  Innovative methodologies to conduct Cyber testing and new approaches to evaluate the results of Cyber tests, including those associated with advanced data / predictive analytics.  Integration, test and evaluation, including prediction of future behavior, of systems that incorporate artificial intelligence and cognitive/adaptive/machine-learning algorithms.  Specific examples where industry has had to test new and emerging technologies and how industry overcame these problems.  Technologies that improve open-air and laboratory test capabilities of advanced technology such as robotics, unmanned vehicles, nano-scale electronics, high performance sensors, 5G wireless systems, and complex human machine interfaces.  Transformational technologies of concern to programs that will present test challenges for their system under development such as non-lethal weapons, directed energy, cockpit redesign for future aircraft, or the need for networked systems capabilities.  Use of additive manufacturing for T&E which includes novel processes to rapidly create and fabricate components and systems.  Vendors should brief a way in which their company has addressed an advanced technology challenge in relation to T&E. Presentations should not be generic marketing and should not contain proprietary information.  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Primary Authors Name: |  |
| Organization: |  |
| Address:  (City, State and Zip) |  |
| Phone Number: |  |
| Email: |  |
| Abstract (max 500 words): |  |

Send completed submission form to: [Test\_Technology@itea.org](mailto:Test_Technology@itea.org), using the following file name:

LASTNAME-FIRSTNAME-2017-TTR-Abstact-Submission