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IEEE AUTOTESTCON 2016 Call for Papers
Tuesday, 3 November, 2015
1A4: ATE Lessons Learned 3:00 PM - 4:30 PM Session Chair: Joe Cuccaro (US Army, USA)
Utilizing the SETR Process in the Procurement of TPSs on the CASS Family of Testers
Test Program and ATE Station Dependencies: Have we learned anything from the past, or are we doomed to repeat it?
It's Just STE: Understanding the pitfalls of treating STE as second class equipment
Designing Factory Support Equipment for Field Use

1B4: New Concepts in Managing Support Infrastructures 3:00 PM - 4:30 PM Session Chair: Samuel Winters (NAVAIR, USA)
Predicting Field Performance of On-Board Diagnostics using Statistical Methods
High Speed Shared Memory Networks in Hardware in the Loop Applications
Hardware-Based Whitelisting for Automated Test System Cybersecurity and Configuration Management Christopher Geiger (Lockheed Martin Mission Systems and Training, USA) Robert Hale (Lockheed Martin Enterprise Operations, USA) Mathew VanDerPol (Lockheed Martin Information Systems & Global Solutions, USA) Kyle Borowski (Lockheed Martin Information Systems & Global Solutions, USA)
Performance Based Logistics Sustainment of Automated Test Equipment Systems 38 Geoffrey C Casner (Lockheed Martin MST, USA) Harley J Bieber (Lockheed Martin MST, USA)
1C4: Design for Test/BIT 1 3:00 PM - 4:30 PM Session Chair: Louis Ungar (Advanced Test Engineering (A.T.E.) Solutions, Inc., USA)
Mitigating the Impact of False Alarms and No Fault Found Events in Military Systems
Processor Controlled Test Development: A Case Study with an Intel i7 Processor Board
Wrapper Scan Chains Balance Algorithm Base on Twice Assigned by Difference and Mean Value
Developing Built In Test to Meet The Demands of the Product Test Lifecycle
1D4: Managing Obsolescence 3:00 PM - 4:30 PM Session Chair: Lyle Beck (NAVAIR, USA)
Strategies for Extending the Life of ATE Systems for Another 10 or 20 years

Supporting a product's life cycle utilizing reusable ATML compliant test documentation
Joseph J Stanco (TPS Associates, Inc., USA)
Patrick Verbovsky (NAVAIR, USA)
Human-Machine Interface: A Framework for Contingency Management of Complex Aerospace Systems
liaming Li (Georgia Institute of Technology, USA)
George Vachtsevanos (Georgia Institute of Technology, USA)
Proactively Managing Obsolescence With Test System Architecture
Robert Bauer (National Instruments Incorporated, USA) Jake Harnack (National Instruments Incorporated, USA)

Wednesday, November 4, 2015

2A2: ATE Software	
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Y. Bar-Shalom (University of Connecticut, USA)	
B. Card (Fairchild Semiconductor Corp., USA)	

Prediction of Wireless Sensor Battery life
Deriving Prognostic Continuous Time Bayesian Networks from D-matrices
A Battery Certification Testbed for Small Satellite Missions
2A3: Specialty ATE 1:30 PM - 3:00 PM Session Chair: Chetan Kulkarni (SGT, NASA Ames Research Center & NASA Ames Research Center, USA)
Developing Easy Pluggable Test Equipments for Factory and Development Testing of Air Defense Gun System
Spectroscopic Electromagnetic Analysis Approach to Non-Contact Circuit Board Test and Diagnosis
Modular Automatic Test Equipment Design for On-Platform Diagnostics
2B3: Software Testing 1:30 PM - 3:00 PM Session Chair: Larry Attkisson (Northrop Grumman, USA)
The Quality of Your Code is the Quality of Your Brand - and it's Time to Pay Attention to Software Testing
The Next Step in Verification Testing of Complex Systems is Automation
Manual Testing's Newfound Place in the Automated Testing World
Practical Methods for Automatic MC/DC Test Case Generation of Boolean Expressions

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Automated Continuity Testing of Flexible Backplanes Using a Cable Tester
Advanced Diagnostics and Anomaly Detection for Railroad Safety Applications: Using a Wireless, IoT-Enabled Measurement System
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Research on Reconfiguration Technology Based on SOPC for PXI Instrument
Embedded Synthetic Instruments for O-Level Test: Modular IO and FPGA Technology Provide Increased Flexibility and Decreased Cost of Test
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2B4: Novel Test & Diagnostic Techniques 1 3:30 PM - 5:00 PM

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Developing a Test Assessment Strategy for Measurement Systems
ITA or ITEA: A Comprehensive Dissimilarity
UAV flight safety ground test and evaluation
Recommended Practice for the Design and Integration of Fixtures Applied to Generic Test Interfaces of ATS, IEEE-P1514 TM
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Unlocking the Buried Margins Entrenched in Test Data
A USB-based Automatic Test Equipment with Improved Behavior-based Automatic Test generation for Complex Circuit Boards
Using .NET Remoting In Test Software
Deploying an Enterprise-Class Software Lifecycle Management Solution for Test Program Sets Timothy W. Davis (TPS Acquisition and SSA Branch, USA) Gary S. Kane (TPS Acquisition and SSA Branch, USA)
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