

2019 Symposium on Counterfeit Parts & Materials

Tuesday, June 25, 2019

TIME	
7:00am	REGISTRATION OPENS
7:50am	Opening Remarks Diganta Das, Ph.D., CALCE/University of Maryland
	Session 1: What is Being Counterfeited - Within and Beyond Electronics?
8:00am - 8:30am	Impacts of Component Shortages and Obsolescence on Counterfeiting Peter Panaguiton, GIDEP
8:30am - 9:00am	Changing Trends in Counterfeit and Nonconforming Reported Parts in the Electronics Supply Chain Richard Smith, ERAI
9:00am - 9:30am	Counterfeit Alerts: Closing the Loop? Vernon Densler, SiliconExpert
9:30am-10:00am	REFRESHMENT BREAK
	Session 2: Are the Standards Adequate to Protect You?
10:00am-10:30am	SAE Standards on Counterfeiting - A 20/20 View Judith Ritchie, SAE
10:30am-11:00am	AS5553 Standard Update - Tools for Compliance with Federal Regulations Robert Bodemuller, Lockheed Martin
11:00am-11:30am	Supply Chain Risk Mitigation Through Accreditation Jim Lewis, Performance Review Institute
11:30am - 12:00pm	Leveraging Synergies Between IPC1782, IPC2581, and IPC2591 to Mitigate the Risks of Counterfeits Cameron Shearon, Raytheon Company
12:00pm - 1:00pm	LUNCH BREAK
	Session 3: Panel Discussion
1:00pm - 2:15pm	Counterfeit Parts Regulations Impacts: Implementation of Counterfeit Parts Plan and Compliance to Industry Requirements Moderator: Henry Livingston, BAE Panelists: Rick Roelecke, L3 Corporation; Robert Bodemuller, Lockheed Martin; Joel Heebink, Honeywell
2:15pm - 3:00pm	REFRESHMENT BREAK
	Session 4: Physical/Inspection/Tagging
3:00pm - 3:30pm	Counterfeit and Rewrapped Lithium-ion Batteries in Market and its Relationship with the Supply Chain Diganta Das, Ph.D., CALCE/University of Maryland
3:30pm-4:00pm	Can AI Help Us in the Fight Against Counterfeit Components? Bill Cardoso, Ph.D., Creative Electron, Inc.
4:00pm-4:30pm	Cu Bond Metal Decap via Wet-etching & Dry-etching Processes Erik Jordan, Nisense
4:30pm-5:00pm	Development of a Technique for Detecting Counterfeit Energy Storage Systems Thomas Yesufu, Ph.D., Obafemi Awolowo University
5:00pm-5:30pm	Provenance Management: Balancing the Four-Legged Stool Daniel Stanton, SecureMarketing Inc.; Mark Manning, iTrace Technologies
5:30pm	DAY 1 CONCLUDES

Wednesday, June 26, 2019

TIME	
7:00am	REGISTRATION OPENS
	Session 5: Process Concerns
8:00am - 8:30am	Prosecution of Counterfeiters: A Case Study of the Process: U.S. v. Rogelio Rodriguez Brian Resler, U.S. DOJ
8:30am - 9:00am	Comparison of Clone and Authentic Altera Serial Configuration Devices Nicholas Williams, SMT Corporation
9:00am - 9:30am	A Case Study: Implementing a Counterfeit Electronic Parts Avoidance and Detection Policy from the Ground-Up Jeff Hallman, Ph.D., Georgia Tech Research Institute
9:30am - 10:00am	REFRESHMENT BREAK
	Session 6: Cyber Physical System Security
10:15am - 10:45am	Addressing the Need for a Cross-Industry Collaboration for Cyber-Physical Systems Security Dan DiMase, Aerocyonics
10:45am - 11:15am	Microelectronics Threats Glenn Berger, U.S. Navy
11:15am - 11:45am	Avoidance of Vulnerable and Tampered Electronic Parts Through Hardware Assurance John Hallman, OneSpin
11:45am - 12:15pm	An Ounce or Teaspoon of Paranoia? Doug Britton, RunSafe Security Inc.
12:15pm - 1:15pm	LUNCH BREAK
	Session 7: Bringing Information Security in the Solution Space
1:15pm-1:45pm	Utilization of Blockchain Tools by the Department of Homeland Security Marie Williams, U.S. Customs and Border Protection
1:45pm-2:15pm	Blockchain in Electronics Supply Chain for Part Provenance and Traceability Curtis Grosskopf, IBM Corporation

2:15pm-2:45pm	Reducing the Fake Electronic Component Ingress Using Blockchain Radu Diaconescu, Swissmic SA
2:45pm - 3:15pm	REFRESHMENT BREAK
	Session 8: Technology Solutions
3:15pm - 3:45pm	Temper-Evident e-Seal Richard McDermott, Ph.D., Signakey
3:45pm-4:15pm	Native Characteristics of Electronic Components for Identification and Authentication David Ross, Alitheon
4:15pm-4:45pm	DUST: How Nano-Diamonds Prevent Counterfeits in Global Supply Chains Ophir Gaathon, Ph.D., DUST Identity
4:45pm-5:00pm	Closing Remarks and Summary Diganta Das, Ph.D., CALCE/University of Maryland
5:00pm	DAY 2 CONCLUDES

Thursday June 27, 2019

TIME	Professional Development Courses
7:30am	REGISTRATION OPENS
8:30am - 12:00pm	Utilizing IPC-1782-Component Traceability - To Reduce Risk Associated with Ingress of Counterfeit Components Cameron Shearon, Raytheon Company; Michael Ford, Aegis Software
8:30am - 5:00pm	Use of Component Documentation and Supply Chain for Counterfeit Avoidance Diganta Das, Ph.D., CALCE/University of Maryland
5:00pm	Conference Concludes