Dallas Expo & Tech Forum
Tuesday April 10th, 2018

Location:
Plano Center 2000 E. Spring Creek Pkwy. Plano, TX 75074

7:30 AM                      8:30 AM                    10:00AM
Registration            Tech Sessions            Exhibit Hall
Begins                          Begins                      Opens

Thanks to our Breakfast Sponsor:
Free Technical Program & Schedule:

8:30AM – 9:15AM

**Material Management 4.0**

*Speaker: Bill Cardoso, Ph.D., Creative Electron*

In this presentation, we’ll introduce Material Management 4.0. More than a set communication protocol between machines that count electronic parts and the machines that store them. From x-ray parts counters to fully automated and intelligent storage towers, Material Management 4.0 embraces the overall infrastructure that needs to be in place to realize an accurate, fast, and efficient methodology for inventory control. This investment is critical to realize the benefits in efficiency unleashed by Industry 4.0. In this presentation, we’ll introduce Material Management 4.0. More than a set communication protocol between machines that count electronic parts and the machines that store them. From x-ray parts counters to fully automated and intelligent storage towers, Material Management 4.0 embraces the overall infrastructure that needs to be in place to realize an accurate, fast, and efficient methodology for inventory control. This investment is critical to realize the benefits in efficiency unleashed by Industry 4.0.

9:15AM – 10:00AM

**The Quest for a Zero Defect Line**

*Speaker: Allen Ouellette, Vi Technology*

The goal of any inspection is to have no impact from the system adopted, while using it as a tool to tailor and tune the process owned. In other words, the heart of manufacturing is in the efficiency of the process, not the equipment. The equipment is the tool used to view and measure the process quality, the key feature owned by manufacturing sites. As a result of this approach, and due to the advancements made in technology, inspection equipment has metrological data readily available, real-time. The challenge and problem is to make sense of this data. Through advancements in software, and in compliance with Industry 4.0, today’s data can now be used to the end game of providing information and knowledge, allowing users to see “the forest for the trees”, and make efficient and precise decisions based on the accuracy of the data extracted. In turn, this leads to clarity of vision, which leads to cost avoidance, quality improvements, and high yields, leading to product excellence and Customer satisfaction.

10:00AM

**Expo Exhibit Hall Opens**
11:00AM – 11:45

**A Mindset for Successful Application of the Toyota Production System**

*Speaker: Barrie Hall, Fujitsu Network Communications, Inc.*

The Toyota Production System (TPS) is the standard of operational excellence for manufacturers worldwide. At Fujitsu Network Communications, we've had great success in taking these TPS principles and applying them to reduce costs, improve quality, and improve our responsiveness to challenging customer demands. My talk will provide an overview of TPS fundamentals and key lessons learned during our TPS implementation journey.

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12:00PM Complimentary Lunch

**Join us for Complimentary lunch (with Vegetarian Options) and Networking on the Show Floor - PLUS Door Prize Drawings!**

Special Thanks to Our Lunch Sponsor: **NPI Technologies**

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1:30PM – 2:15PM

**Impact of Stencil Foil Type on Solder Paste Transfer Efficiency for Laser Cut**

*Speaker: Greg Smith, Blue Ring Stencils*

There are many different metal foil types and stencil nano-coating technologies being promoted by stencil manufacturers in today’s SMT market. Traditional stainless steel, fine grain stainless steel and nickel foil with different types of nano-coatings are all available. The choices can be overwhelming, especially when small aperture printing is required. Seven different laser cut material types are investigated in this presentation with and without nano-coatings. Laser cut wall quality is analyzed using SEM and paste printing characteristics are measured to identify the best performing foil types and nano-coatings for today’s challenging SMT assembly requirements.
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Presidents Message

Greetings to SMTA Dallas Chapter members and guests.

Spring has sprung and its time again for the Dallas SMTA Expo on April 10th at the Plano Convention Center. Come and improve your knowledge by attending our technical presentations and talk with Industry experts at our Expo. It will be a fun filled day with a free BBQ lunch for all those that register with a door prize as well. Register now at: https://www.smta.org/expos/#dallas.

For those of you supporting the medical market, plan on attending the Medical Electronics Symposium, May 16 & 17th at University of Texas at Dallas. SMTA, INEMI and MEPTEC have joined forces again to host this international conference, focusing on advances in electronic technologies and advanced manufacturing. There will be Keynote speakers from Medtronic and UT Southwestern along with 2 days for technical presentations and industry exhibitors. To register, go to: https://www.smta.org/medical./

I look forward to seeing you at these events

Carol Primdahl – Dallas Chapter President

Dallas Chapter Membership Rolls— 110 Members !!

We welcome our newest members to the SMTA family:

David Rathbone Individual VTO  Frank Henry Participating Nokia
Vinay Naik Participating Krypton Solutions Justin Beres Corporate Allazo Electronics

Corporate Members: 32  Corp Participating members: 14,  Individual Members: 48,
Global Members: 5,  Participating Members: 15,
Associate/Student Members: 8  Lifetime Members: 2

Dallas Chapter  Corporate Member List - March 2018

ASSET InterTech  GSC (Garland Service Co.)  Precision Technology, Inc.
Barry Sales, Inc.  JTAG Technologies  Roper Resources, Inc.
BBM, Inc.  Keysight Technologies  Southwest Systems Technology Inc
Circuitronics  Krypton Solutions SPEA America
Conecsus LLC  Leemah Electronics .Summit Interconnect
CVInc.  Libra Industries  Sunshine Global PCB Group
CR Assembly Corp  Lockheed Martin  SVTronics, Inc
DG Marketing Corporation  Mek Americas LLC The IPS Group, LLC
Dragon Circuits  Morgan Newton Company Techni-Tool, Inc.-
Electrolab Inc.  NPI Technologies, Inc. Variosystems, Inc.
EWD Solutions  One Source Group VI Technology
FHP Reps  PAC Global, Inc.
Fujitsu Network Comm.  Philips Entertainment
MEETING LOCATION
Aboca’s Italian Grill,
100 S Central Expy #63,
Richardson, TX 75080

11:00 am (doors open for networking)
Lunch buffet with multiple entrees, salad and dessert.
To attend, we ask that you RSVP From our website.

Agenda
11:00-11:30 check-in & Networking
11:30 Lunch Begins
11:45 Meeting Begins
Welcome & Introductions
Chapter Announcements
12:00 Technical Presentation by the Speaker
1:00 Technical Round Table Conversation

Pricing (includes lunch):
- FREE for New Members since prior meeting
- $10 for Committee Members
- $20 Members, employees of Corporate member companies, 1st time guests, and students
- $25 non-members, students, & guests – same price
- Cash at the door or credit card on-line

Upcoming Chapter meetings

Chapter Calendar for 2018:

May 16 and 17, 2018
Medical Symposium at UTD

June 1—Chapter Meeting
Rick Perkins is speaking on Topic “Back to the Future: Defluxing/Cleaning with Hot Vapor Defluxing Chemistry and Equipment”

July 13th 2018—Chapter Meeting
Development of low melting temperature solders

September 7th 2018—Chapter Meeting
SMT Specific Industry 4.0

November 2nd 2018—Chapter Meeting
PCB Failure Analysis
**Special Thanks to the following volunteers!!**

**Technical Committee (Appointed) :** Viswanaham Puligandla Ph.D.  
Nokia (Retired)  
Phone : 972-355 7107  
Email: viswam38@gmail.com

**Technical Committee (Appointed) :** Riki G. Brown,  
LeeMAH Electronics (Retired)  
Phone : 951-733-2806  
Email : rikibg@sbcglobal.net

**Technical Committee (Appointed) :** James Boyd  
Krypton Solutions  
Phone : (972) 786-3977  
Email : james.boyd@krypton-solutions.com

**Technical Committee (Appointed) :** Glenn Robertson,  
Process Sciences Inc.  
Phone : 972-960-2323  
Email : glennr@process-sciences.com

**Webmaster (Appointed) :** Chintan Sutaria,  
CalcuQuote  
Phone : 909-278-8233  
Email : csutaria@calcuquote.com

**Set Up Committee (Appointed) :** Jimmy Fallin,  
Philips Entertainment  
Phone : 214-647-7960  
Email : jimmy.fallin@philips.com

**Board Liaison :** Sal Sparacino,  
ZESTRON Americas  
Phone : 703-393-9880  
Email : s.sparacino@zestronusa.com
REASONS TO JOIN YOUR LOCAL SMTA CHAPTER

- Do you have something to share such as new technologies or new products?
- Are you new in a sales territory – do you know all the players? Do they know you?

Be informed and involved on the Local Chapter level:

- Take advantage of technical information provided at local meetings Get to know colleagues in your local area
- Network for technical information and get to know companies and people in your local area
  - Share information with colleagues on new products and services

THE MISSION OF SMTA

The Surface Mount Technology Association (SMTA) membership is a network of professionals who build skills, share practical experience and develop solutions in electronic assembly technologies and related business operations.

MEMBERSHIP DUES

Participating: $50 - If your company (same location/division) holds a Corporate Membership it’s employees are eligible to receive the full range of benefits at a discounted price.

Individual: $75 - This membership is designed for individuals who wish to join SMTA to receive all the benefits independent of a Corporate Membership.

Corporate: $450 - A corporate membership in SMTA provides discounts to employees located in the same location/division where the Corporate Membership is held.

Member and Student $19 The Student/Retiree Membership is available to all full-time post-secondary students and retirees.

Non Members: $25

New or Unemployed: Free

HOW TO JOIN

On-line at www.smta.org