Areas of General Process “Sins”
The “Deadly Sins” of SMT Assembly

Utilization of Process Feedback Data
Design for Manufacturability and Assembly In-Process Inspection and AOI MSD
Procedures and Documentation

This will be a 2 hr presentation mini Chapter Training for the price of just your lunch.

Abstract:

Everyone has heard of the “7 Deadly Sins” that will, supposedly, lead one to Hell. There are also the “Deadly Sins” of SMT - there are more than just 7 – and they can make your assembly process a “hell on earth”.

During the course of ITM’s assembly process audits and troubleshooting work, we tend to see trends in the types of errors and problems. In other words, a lot of people are making the same mistakes. The resulting process problems wreak havoc with an impact on assembly yields ranging from 5 to 20%. In addition to this direct cost, there is also additional financial impact with regard to time spent reworking and repairing, the on corrective action by QC, Engineering and Management, and, of course, “do-over”.

This workshop identifies the “deadly sins” of SMT assembly, both for Pb-free and “leaded” processes. Besides the symptoms and consequences of each type of error, root-cause, rectification and prevention techniques will be presented. Best Practices will be discussed for each of the key process steps. The workshop will, thus, provide the participant with an understanding of how to identify and correct the most common SMT assembly problems. It will include identification of vendor and source problems including components and materials as well as design related problems.

LOCATION
Double Tree Hotel
4099 Valley View Ln, Dallas Tx

Off I-635 at Midway. To avoid traveling on I-635, there is easy access from Midway Road via Spring Valley Rd from US 75. You can also avoid 635 by taking Valley View Ln from I-35.

11:15am (doors open for networking) Lunch buffet with multiple entrees, salad and dessert.

To attend, we ask that you RSVP reply by COB Nov 12 to this e-mail GTanel@qcg.com

Agenda
11:15-11:30 check-in
11:30 Lunch
12:00 Meeting begins

Welcome & Introductions
Upcoming Current Electronic Manufacturing events

JOBS looking for people, bring your job postings (See Riki Brown)
People looking for jobs; bring your contact information (See Riki Brown)
Membership & Program Report

Speaker:

2:00 pm Adjourn

Pricing:

$15 cash for:

Members
Employees of corporate members

$ 20 cash for:

Guests/visitors/ non-members
Our Chapter Leaders

President:  Jack Harris
The IPS Group
Phone Contact: 214-908-3336
jharris@theipsgroup.com

Vice Pres:      Riki  Brown
Leemah Electronics
Phone : 951-733-2806
rbrown@leemah.com

Treasurer:      Jim Baker
Spectra Sales Corporation
Phone : 214-912-4103
jim.baker@verizon.net

Secretary:      Keith Larson
Viasystems
Phone  817-915-5664
Kieth.Larson@Viasystems.com

VP of Memb: Gary Tanel
QC Graphics
Phone: 972-672-2506
gtanel@qcg.com

VP of Newsletter & Media
Karl Doebbert, Prototron Circuits
Phone: 214-675-7017
karld@prototron.com

Bio –

Phil Zarrow has been involved with PCB fabrication and assembly for more than thirty-five years. His expertise includes the manufacture of equipment for circuit board fabrication and assembly of through-hole and surface mount technologies. In addition to his background in automated assembly and cleaning, Mr. Zarrow is recognized for his expertise in surface mount reflow soldering technology and in the design and implementation of SMT placement equipment and reflow soldering systems. Having held key technical and management positions with Vitronics Corporation, Excellon-Micronetics and Universal Instruments Corporation, he has extensive hands-on experience with set-up and troubleshooting through-hole and SMT processes throughout the world. During his tenure as Director of Technology Development for GSS/Array Technology, he was responsible for specifying and setting up medium and high-speed assembly lines, as well as investigating and implementing emerging and leading-edge technologies, equipment and processes.

Mr. Zarrow is a popular speaker and workshop instructor. He has chaired and instructed at numerous seminars and conferences in North America, Europe, and the Pacific Rim. He has published many technical papers and magazine articles as well as contributed a number of chapters to industry books. He is co-author of the book, "SMT Glossary- Terms and Definitions". Mr. Zarrow holds two US Patents concerning PCB fabrication and assembly processes and audit methodologies.

Phil is a member of IPC, SME, IMAPS, a co-founder of ITM Incorporated, and is a past national level officer and national director of the Surface Mount Technology Association (SMTA). He was also Chairman of the Reflow Committee for SMEMA. He was the recipient of the SMTA's Member of Distinction Award (1995) and Founders’ Award (2000). Mr. Zarrow has served on the Editorial Advisory Board for Circuits Assembly Magazine and won awards for his writings "On the Forefront" and "Better Manufacturing" columns. He is currently producer and co-host of IPC Update's “Boardtalk” audio program.
Presidents Message

Greetings to SMTA Dallas Chapter members and guests.

It’s newsletter time! The fall season is in full swing. SMTA International kicked off the month of October with many opportunities for education and viewing the latest in manufacturing technology. Over 1700 people visited Chicago for the event. Gary Tanel and I represented the Dallas Chapter this year.

The Dallas chapter hosted IPC Master Trainer Frank Honyotski on October 10. He gave a presentation on changes in the IPC-C610 Rev F and the J-STD-001 Rev F. There were 35 in attendance. We look ahead to the November 14 meeting. Phil Zarlow will be teaching us about the 7 Deadly Sins of Electronics Manufacturing. This will be a mini Chapter Training Mtg and will last 2 hrs. This is usually a 1/2 day training session but will presented in a Readers Digest version of 2 hrs. I encourage you to be there, as there will be good information to be gained. Please take time to invite your industry friends and colleagues to this lunch event at the Galleria DoubleTree.

Watch for the announcement of our Christmas meeting on Dec 7 at the Double Tree Galleria. We will have a great dinner and entertainment by Bo Gerard a Comedian/Magician from Dallas. So mark your calendar and don’t miss this one.

Officer elections for 2015 are coming soon. Be on the lookout for information from the SMTA national office.

I look forward to seeing you in upcoming meetings.

Jack Harris
President, SMTA Dallas chapter
Dallas Chapter President

New Members for Nov

A big Texas welcome to our newest members for Nov 2014. We now have 152 members.

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<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Company</th>
<th>Member Type</th>
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<tbody>
<tr>
<td>Carol</td>
<td>Primdahl</td>
<td>Krypton Solutions</td>
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<td>Rod</td>
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<td>Ryan</td>
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<td>Caraccioli</td>
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<td>Adam</td>
<td>Streeter</td>
<td>ADDA Logix, Inc.</td>
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<td>Randal</td>
<td>Nelson</td>
<td>Keysight Technologies</td>
<td>Global Participating</td>
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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.

Student/Retiree: $5 - The Student/Retiree Membership is available to all full-time post-secondary students and retirees at a discounted rate.

HOW TO JOIN

On-line at www.smta.org