

LA/OC SMTA CHAPTER NEWS

July 2005 EDITION

LA/OC SMTA & IPC CCA is Proud to Present...

August 2005 6th Annual
Aloha Golf Get Together

DATE

Thursday, August 4th, 2005

AGENDA

10am Sign-In / Warm-Up
12:30pm Shotgun Start
5pm Awards Banquet

MEETING FEES

\$110 / Player
\$35 / Banquet Only
\$200 / Sponsorship

MENU

Steak & Swordfish

LOCATION

California Country Club
1509 South Workman Mill Rd.
Whittier, CA 92601
(626) 333-4571

Please see Page 1 & flyer on
Page 10 for More Details.

LA/OC SMTA is Proud to Present...

September 2005 Presentation
Dinner Meeting

Speaker

Ken Moore
Topic

610D & JSTD001D Updates
& Changes (More than just
Lead-free)

DATE

Thursday, Sept. 15th, 2005

AGENDA

6:00PM, Social Hour
7:00PM, Dinner/Presentation

MEETING FEES

\$20, Members
\$25, Nonmembers

MENU

Fajita Bar

LOCATION

Embassy Suites
3100 East Frontera
Anaheim, CA

EVENT RESERVATIONS

<http://www.laocsmta.org/reservation.php>

NO SHOWS WILL BE INVOICED

If you can not attend, please
cancel your reservation by 12
Noon on Wednesday, prior to
the meeting. See you there!



LA/OC SMTA Chapter is Proud to Present... August 2005 6th Annual LA/OC SMTA & IPC CCA Aloha Golf "Get Together"

Aloha Everyone,

I trust that we all had a wonderful 4th of July weekend and hopefully have returned to work with all of our digits in place. Now with summer in full swing, I want to alert you to the next big event of the season. The 2005 SMTA / CCA Aloha Golf Get Together.

As many of you know I am the Chairman of this year's SMTA / CCA Aloha Golf Get Together outing taking place on August 4, 2005, at the California Country Club, in Whittier, California. The California country Club has been our gracious host for 4 of the 6 years this event has been held.

Sign in for this year's event will start at 10:00 AM and a shotgun start will follow at 12:30 PM. After the event there will be an awards banquet for all players, volunteers and guests.

I am asking each of you to come out and support the SMTA and CCA by participating as a player and / or a sponsor of this wonderful event. It should be clear that these organizations are supporting our industries and need our support to continue their good work.

Here are the specifics for the event:

Date: Thursday, August 4, 2005

Where: California Country Club
1509 South Workman Mill Road
Whittier, California 90601
626-333-4571

Sign In: 10:00 AM

Shotgun Start: 12:30 PM

Player Cost: \$110.00 Includes Green Fees, Shared Cart, Banquet Dinner, salad, Swordfish and Steak, and desert. Goodie Tee Bags for all players.

Sponsorship Cost: \$200.00 Includes Tee Box Sign, inclusion on Sign In Banner Sign, lots of local exposure to industry personnel, Circuitree Magazine exposure, and the chance to support our industries SMTA and CCA.

Silent Auction: Assorted Sport and Celebrity Memorabilia

Raffle: The SMTA and CCA will raffle off over \$6000.00 of QUALITY Golf Equipment, no junk.

Dress Code: Hawaiian Attire Preferred. (Aloha shirts for the guys and coconut bras, grass skirts for the ladies) (Coconut bras, optional) All kidding aside this year I would like everyone to come in Hawaiian attire to enhance our Aloha event. Who knows you may play better.

Format: Four Person Scramble

Fun: I guarantee a good time for all.

As many of you know I have been the chairman of this event since it was conceived in 2000. The event started with 28 golfers and 7 sponsors, over the next five years the event has grown to included as many as 60 sponsors and over a hundred golfers. This year I have announced to the board members of the SMTA and the CCA that I will be stepping down from this position at the end of this event.

To all those who have supported this event with Sponsorships, even in difficult economic times, I say a big MAHALO! Your support of this event has made it into one of the best outings of the year for the SMTA and CCA.

To all the golfers that take the time off of work to attend this event, support the SMTA and CCA, network with others in the industry, see old friends, strike up new friendships and just to have some fun with others in our industry, I also say a BIG MAHALO!

Thank you all for allowing me to be a part of this event through the years. It is my sincere hope that all of you will continue to support this event for many years to come.

Sincerely,

Frank Kurisu

Chairman of the 2005 SMTA / CCA Aloha Golf Get Together

SolderMask, Inc

3D Rapid Prototyping, L.L.C.

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Presidents Message

By: Scott Penin

First, I would like to thank Alcon Laboratories and Andrew for an excellent tour. They have a very clean and organized facility. If you missed the tour, you also missed the video on how to perform eye surgery (very enlightening).

As you all know, our Golf Get Together is less than 3 weeks away. If you haven't signed up as a player or sponsor, please do so soon. Time is almost upon us and we need to place the reservations with California Country Club. It's a GREAT day out and if the weather stays on track, it will be very enjoyable.

September is our 2 for 1 special meeting. If a member brings a non-member, the non-member will enjoy and free dinner and an update on IPC-A-610 and J-STD-001 latest standards, which were updated in February this year. Ken Moore of Omni Training has kindly volunteered to be our speaker. The new standards now include lead-free pictures and criteria.

Also in September for anyone who is up for a road trip, the SMTA International will be held in Chicago on the 25th through the 29th at the Donald Stephens Convention Center in Rosemont, Illinois (just outside the Chicago O'Hare Airport). SMTAI is held in conjunction with the Assembly Technology Expo, which has booths and technical papers on electro-mechanical assembly, cable assembly and opto-electronics. More information may be found on www.smta.org. They are also offering SMT certification classes at the show, as part of the technical offerings.

As always, if you have any suggestions that will assist or improve our chapter, please contact us at www.laocsmta.org.

June 2005 Meeting Review

“Alcon Plant Tour Meeting - Low Volume/High Mix”

Written By: Kathy Palumbo, PA&LS, LLC

Alcon's PCB/Cable Operations' Manager, Andrew Whittingham, provided the presentation on Thursday, June 16th, 2005. Andrew opened with some background information and Alcon's mission, which is to Preserve and Restore. Alcon was started in 1945 by Pharmacists **A**lexander & **W**illiam **C**onner. The bold letters demonstrate how Alcon got it's name.

Alcon's Irvine, California facility provides R&D support, Cable Harness, and PCB Assembly. New & Innovative design-time-to-market is critical due to the needs of Alcon's customers, which is one of the driving factors behind keeping the Circuit Card Assembly (CCA) in house. Quality is also critical, which was demonstrated in a live video of an actual cataract surgery (not recommended for those with a weak stomach!)

With 130 CCA's, 6,000 assemblies/month, and 20 to 80 piece lot sizes Alcon's manufacturing is considered high-mix/low volume. Alcon's approach is to keep in-house core competencies and out source non-core competencies. By doing so a \$217K savings was achieved in non-core out-sourcing, and core in-sourcing achieved over \$400K in savings. In addition to these in/out-sourcing savings, other approaches were used in achieving an overall savings of \$4.25M

These other approaches were automating the KanBan system, implementing the 5S approach & Poke-Yoke, and relaying out the manufacturing floor for better product flow and less travel time.

The KanBan system was automated by adding bar coding and using a *Percon* bar code reading system as well as adding home grown coding to the JD Edwards MRP system. This enabled the KanBan to be replenished simply by scanning the bin bar code. The information is then immediately sent to Alcon's vendor/supplier for automated order placement and the MRP system is automatically updated to reflect this.

5S stands for **S**ort, **S**tabilize, **S**hine, **S**tandardize, & **S**ustain. The 5S approach basically means that everything has a place and is in its place. This eliminates wasted time in finding the right tool to do the job. An example of this would be a tool draw that has foam cutouts (or a 'shadow board') for each tool so that one could quickly see that all tools were stored properly and available for use. This organization technique eliminates the need to waste time searching for a tool in a draw filled with clutter and also ensures all tools are properly stored at the end of each shift.

Poke-Yoke, which is Japanese and literally means **fool proofing**, is a method of creating assembly jigs that ensures that the product is always assembled correctly, quickly, and easily. This type of approach is used in many areas for electronics such as the memory boards used in a personal computer. Each memory board is **KEYED** so as to ensure that the customer never installs a board backwards. This **“KEYED”** approach is very similar to the Poke-Yoke approach. A Poke-Yoke tooling jig is designed so that the unit being assembled in the jig is **“KEYED”**, thus ensuring that the assembly is never assembled backwards. Other features on the fixture could also include methods for ensuring proper alignment very quickly, easily, and accurately each and every time.

The largest portion of the overall savings was achieved through re-laying out the manufacturing floor. It was discovered that a large portion of time was being utilized in moving product around on the floor and by reducing this a huge savings could be realized. In order to determine how this should be done a *Process Map* was created for the various product lines and then redundancies could be easily seen in the map and thereby removed. This Process Mapping approach allowed a streamlined product flow to be achieved.

The Alcon Plant Tour meeting was a wonderfully planned and executed event. Everyone involved did an outstanding job and the LA/OC SMTA board would like to thank Andrew and each of his co-workers who worked so hard on organizing the tour. Thank You!

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Invitation to Start an SMTA Student Chapter

The SMTA is looking to start student chapters! The mission of SMTA student chapters is to build a network of students and professionals and to create learning opportunities for students to develop skills and knowledge necessary to work in electronic assembly technologies and related business operations.

A student chapter may be established at any post secondary school that supports surface mount technology, microelectronics, electronics packaging, or related industries via programs, courses, and/or activities. Only five student members are needed to start and maintain a student chapter. The student membership cost is \$5.00 per year. You can find the application for an Associate (Student) membership on-line at http://www.smta.org/membership/membership_step_1.cfm. Membership puts students in touch with the many SMTA publications and services. It also provides student discounts on conferences along with many opportunities for professional development.

The details of operating an SMTA student chapter are quite simple and spelled out in the "SMTA Student Chapter Guidelines and Bylaws".

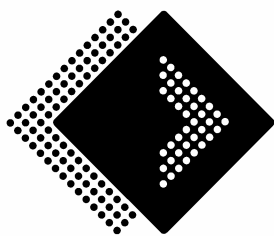
If you would like to start an SMTA student chapter at your school, please complete the "Student Chapter Start-up Application Form" that is attached.

Thanks for considering the formation of an SMTA student chapter at your school!

Sincerely,
Sis Sullivan
Student Chapter Coordinator
sis@smta.org

**TO FIND OUT MORE ABOUT FORMING
YOUR OWN STUDENT CHAPTER**

GOTO: <http://www.laocsmta.org/Students/index.html>



SMTA

Surface Mount Technology Association

STUDENT CHAPTER START-UP APPLICATION FORM

Application for academic year beginning _____ (Month/Year)

School Name _____

SCHOOL ACTIVITIES THAT SUPPORT RELATED INDUSTRIES

Please describe how your school supports the surface mount technology, microelectronics, electronics packaging, or related industries, in terms of school programs, courses and or activities offered.

FACULTY ADVISOR

Name and contact information of the **SMTA member** to serve as faculty advisor:
(Advisor must be an SMTA member)

Faculty Advisor Name: _____

Preferred Address: _____

Business Phone: _____ Business Fax: _____

Business Email: _____ Member Number: _____

STUDENT MEMBERS

Five **SMTA student members** are required to start and maintain an SMTA student chapter. Please list five students that are currently SMTA members at your school.

Student 1 Name: _____ Member Number: _____

Student 2 Name: _____ Member Number: _____

Student 3 Name: _____ Member Number: _____

Student 4 Name: _____ Member Number: _____

Student 5 Name: _____ Member Number: _____

Please mail, fax, or email this form to:

SMTA Headquarters
5200 Willson Road
Suite 215
Edina, MN 55424
Fax 952.926.1819
e-mail: sis@smta.org
www.smta.org

All Student Chapter info (including this form) is available at : <http://www.laocsmta.org/Students/index.html>

If you have any questions please...just give us at 952-920-7682



LA/OC SMTA CHAPTER & IPC's CCA ARE PROUD TO PRESENT OUR

6th Annual Aloha Golf "Get Together"

**Thursday
August 4th, 2005
Shotgun Start 12:30pm
California Country Club
1509 South Workman Mill Road
Whittier, CA 90601
(626) 333-4571**

Cost is \$110 per player, & includes, Green Fees, Shared Cart, Warm Up Balls, & Awards Banquet.

Don't let this fun-filled event pass you by!
Mark your calendars now!
You won't want to miss this event!
Whether you golf or not, it is fun for everyone.

Come join us!
Don't miss the party at the 19th hole!

Help Needed:
Volunteers to support the Big Event. Don't worry you'll be taken care of!

**Contact: Frank Kurisu
with SolderMask, Inc. at
fkurisu@msn.com**

Help Wanted:
Corporate Sponsors for the Big Event. Have your company name in lights, while supporting your local chapter!

Sponsorship Cost=\$200
For More Sponsorship Benefit Details
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Schedule

Ads should be submitted at least one week prior to the end of the month proceeding the first month of desired publication.

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So come on out and join one of our Volunteer Planning Committees and be a part of our ***"Habitat for Leadership Development"***!

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