

LA/OC SMTA CHAPTER NEWS

January 2004 EDITION

January 2004 Dinner & Presentation Meeting Flying Probe Testers – The Evolution of Technology

DATE

Thursday, January 15th, 2004

AGENDA

6:00PM, Social Hour

7:00PM, Dinner/Presentation

MEETING FEES

\$20, Members

\$25, Nonmembers

MENU

Broiled Salmon Fillet with a Zesty Lime

Mustard Glaze

LOCATION

Embassy Suites

3100 East Frontera

Anaheim, CA



Los Angeles & Orange County Chapter



"The Surface Mount Technology Association membership is a network of professionals who build skills by sharing practical experiences and developing solutions in electronic assembly technologies and related business operations."

LA/OC SMTA CHAPTER IS PROUD TO PRESENT...

January 2004 Dinner & Presentation Meeting Flying Probe Testers – The Evolution of Technology

Presented By:

Andy Smithers
Technical Sales Manager
SPEA AMERICA



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NO SHOWS WILL BE INVOICED

If you can not attend, please cancel your reservation by 12 Noon on Wednesday,

UP COMING EVENT

LA/OC SMTA is proud to Present...

March 2004 Dinner & Presentation Meeting

MSD

Moisture Sensitive Devices

DATE

Thursday, March 18th, 2004

AGENDA

6:00PM, Social Hour

7:00PM, Dinner/Presentation

MEETING FEES

\$20, Members

\$25, Nonmembers

MENU

TBD

LOCATION

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Anaheim, CA

PRESENTATION ABSTRACT

Every test technique ever applied to electronic circuit boards and modules has gone through evolutionary stages. New techniques and systems arrive in a blaze of publicity as 'the solution to everything – making all other techniques obsolete'. Later, unrealistic goals and excessive hype is exposed resulting in a period of quiet refinement whilst gaining a hard core of devotees. Finally the idea becomes widely accepted and takes it's place as either a niche or mainstream solution; strengths are capitalized on, weaknesses are delegated to other competing technologies.

Flying Probe Testers are now, finally entering the third stage of this evolution with a strong set of credentials and few weaknesses. Early Flying Probers were slow, inaccurate and gave a poor quality test with even worse fault diagnosis when compared with their contemporary Bed of Nails cousins. Nevertheless they did something the Bed of Nails testers could not - brought a test facility on-line in hours with close to zero NRE costs.

Today's generation of Probers is lightening-fast, have accuracies measured in tens of microns and have test capabilities at least equal to the best Bed of Nails ICT machine.

Their position in the manufacturing and quality control process must, however, be carefully considered – their strengths utilized to maximum potential.

We will examine most current test techniques, both electrical and inspection-based and see how Flying Probers fit best in the industry.

SPEAKER PROFILE

Andy Smithers is the Technical Sales Manager for SPEA America. Born and educated in England, Andy obtained an H.N.C. in Electronic Engineering at Chichester College, England.

In 1980 Andy joined the startup ATE company, ATE Systems Ltd as a Test Development Engineer.

Andy has been in the ATE industry ever since, joining SPEA(UK) in 1990 and then re-locating to Tyler, Texas in 2001 to help launch the USA subsidiary of the highly successful European company.

What's Inside this Months News Letter...

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Presidents Message

By: Scott Penin

Happy New Year. Hope the holidays were good for you and you didn't have to work too much. I also hope this cold season wasn't too bad for your families.

We are starting to plan the calendar for 2004. There is an article on page 8 of this newsletter identifying the top choices in all categories for the yearly survey. If you know of anyone who is a preferred speaker and can enlighten us on any of these choices, please tell us so we can contact them.

Irvine Electronics has graciously agreed to host the SMT Process Engineer certification course in their facility this year. The dates are set for November 9-11. This is a great opportunity to be recognized for your years of experience in the field. The basic information below is from the SMTA National website:

"Each SMTA Certification program is a three-day workshop consisting of refresher topics in the SMT processes or systems. This will include both open and closed book examinations. The workshop, as well as the exam, assumes that the participant has at least one year of SMT experience and has an educational background equivalent to two years or more of college in a technical discipline. This is not an entry-level program. Basic algebra and geometry will be used in the workshop and examination. The examination is "competitive" in that it requires written answers and some calculations. The intent of this procedure is to enable the students to establish competitive credentials as "Certified" by the SMTA in SMT Assembly Processes or SMT Systems."

As always, if you have any suggestions for next year's meetings and are looking to volunteer, please contact us at www.laocsmta.org .

2003 SMTA LA/OC & San Diego Chapter 2003 CHRISTMAS PARTY REVIEW

People who laugh actually live longer than those who don't laugh. Few persons realize that health actually varies according to the amount of laughter. - James J. Walsh

Too much of a good thing can be wonderful. - Mae West

Happiness is a perfume you cannot pour on others without getting a few drops on yourself. - Ralph Waldo Emerson

Hello Folks,

Now you know my secret. Participating in the SMTA offers me an opportunity to help our industry in some small measure and thus increasing my happiness quota exponentially.

For those of you who attended the SMTA LA/OC and San Diego Chapter Christmas party on December 12th, I thank you kindly. There was a lot of laughter and good will shared by all as old friends greeted one another and newcomers were welcomed.

Nearly forty guests attended the party held at Sarducci's Capistrano Depot restaurant in San Juan Capistrano. Some attendees arrived by train directly at the platform outside of the restaurant including the Hausmans, the Browns and the Sykes. As they entered the private room especially set-up for our group, all were greeted by the attentive restaurant staff for cocktails to accompany the various hot appetizers that were laid out on the buffet table.

The room sparkled with holiday ambience as the decorations for Christmas were set off finely by the glow of a toasty fireplace. As everyone sat down, a choice of either a prime rib, filet mignon, citrus scampi or papaya-mango halibut meal was served. Most people were stuffed by the time the dessert of BOTH carrot and chocolate cake came around. Throughout the banquet, the award-winning three-piece band played softly in the background. They were hardly noticeable, unfortunately, as the rule was to keep it down in respect to the other restaurant customers. I'm sure they could really jam if given the opportunity. (Kathy, don't laugh.)

As the party came to a close, it was time for the great speeches to take place. By this hour, most of the membership was feeling quite merry including yours truly. Therefore, when our President, Scott Penin, stood up for a final toast and words, I was the first to loudly cheer and support him. I'm sorry to say that I can't really remember what he said, however, I'm sure it was quite inspirational. Next up, we had a talented, Silver Level (quite high, I understand) Toastmistress, Mrs. Luby Hausman, provide us with an entertaining reading of her own creatively written Christmas story. Many cheers went up for this splendid performance. Lastly, I couldn't help but put in my two-cents worth regarding the efforts in the past few years (yes, it's been the same people, mainly) put forth

by my fellow board of directors. Kathy Palumbo named it a love fest. Well, call it what you may, I do appreciate every one of them.

Some special memories during this party and afterwards include the following:

~ How in the heck did Atul M., Steve W., Henry M. and Roger T. catch such lovely and youthful partners? They must have some hidden talent or charm underneath that engineering exterior.

~ The image of Alida B. rocking back and forth contentedly in front of the fireplace was priceless.

~ Dr. Julie Bradbury-Bennett is going to make a great San Diego Chapter President. We wish her well and she has all of our support.

~ Frank K. was true to his word and reputation. A mighty strong and tasty martini could be had at Swallow's Inn.

~ Roger T. can introduce ANYONE to you as his lifelong friend.

~ Kim P. is a fine lady to go out clubbing with. Yes, please leave your husband at home so that we can continue going to biker bars together and be called "Oriental Blossoms" all night.

~ Scott P., Kim's husband, does not appreciate being called on his cell phone at midnight irregardless of whether his wife is home or not.

~ The after-party, party was supposed to occur at Kathy's room but did not due to the absence of both the saxophone and karaoke set. Instead, she chose to wear a sexy red gown to make up for this gaff.

~ C.P. made one of his very rare appearances. So did Sergeant T, FC, to whom I am ever grateful to for showing up and providing chauffeuring services though a minivan should not be driven like a tank.

I'd like to thank all of the sponsors that without their support, this special night could not be had. They are *Express Manufacturing, Mask Technology, OK International, Paradigm Manufacturing, Practical Components, Production Analysis & Learning Services, Production Technology, Safetran Systems, Seika Machinery, SMT Dynamics and SolderMask*. We also appreciate *Rob Riley of Fast Signs, Huntington Beach*, for the festive sponsorship sign donated towards this event.

I'm looking forward to many exciting SMTA activities with you all throughout this year!

Michelle Ogihara
Seika Machinery, Inc.
SMTA LA/OC Chapter
VP of Membership

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Contact Michelle Ogiwara at michelle-o@jp.seika.com to find out more!



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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.

Vendor Tables

Display your products and literature at a Chapter Meeting for a fee of \$100, and receive a bonus of one free 1/4 page AD for one month.

Contact

Scott Penin

Call: (714) 403-1874 / E-Mail: info@paradigmmanufacturing.com

Calling All Members!

WE NEED YOUR INPUT!!

We need presentations for our 2004 meeting schedule

Currently our planning board has the following months available:

April, May, September, November

We are looking for Presentations in the following categories:

Factory Enterprise Systems & QA Techniques/SPC, Lead-free Assembly & Performance Measurement, DFM/DFT/DFA & SMT Design Methodologies, PCB Final Finish Selection, BGA's, Chip Scale/Micro BGA's & Fine-Pitch components.

If you have a presentation and/or know of someone with a presentation we would like to hear from you.

Please E-mail Kathy Palumbo at laocsmta@laocsmta.org OR Contact by Phone at 949.713.7229