

LA/OC SMTA CHAPTER NEWS

January 2005 EDITION

LA/OC SMTA
is Proud to Present...
**January 2005
Presentation/Dinner Meeting**

SPEAKER
Richard Garlic

TOPIC
**Process Improvement
Through Thermal Imaging**

DATE
Thursday, Jan. 20th, 2005

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

MEETING FEES
**\$20, Members
\$25, Nonmembers**

MENU
Teriyaki Steak

LOCATION
**Embassy Suites
3100 East Frontera
Anaheim, CA**

LA/OC SMTA
is Proud to Present...
**March 2005
Presentation/Dinner Meeting**

SPEAKER
TBD

TOPIC
TBD

DATE
Thursday, Mar. 17th, 2005

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

MEETING FEES
**\$20, Members
\$25, Nonmembers**

MENU
Chicken Cordon Bleu

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!



"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 2005 Presentation/Dinner Meeting
PROCESS IMPROVEMENT THROUGH THERMAL IMAGING
Presented By:
Richard Garlic CEO & Founder RG & Associates

PRESENTATION ABSTRACT

Thermal Imaging is a new and powerful tool in understanding 'How' products behave thermally under load, and if they are meeting their design goals.

This presentation will provide insight to:

- What is Thermal Imaging
- How it works
- Why it needs to be used
- Where can it be used
- When should it be used

Case Studies will be discussed that show the power of using Thermal Imaging for understanding both component and product behavior from a design and troubleshooting standpoint.

SPEAKER PROFILE

During the last 3 years, Mr. Garlic has been instrumental in bringing to Southern California, Thermal Imaging technology and its advantages to both understanding the thermal properties of components, PCBA's and systems that assist in making sure product meets its design goals. Mr. Garlic's consulting company, RG & Associates founded in 1993, and has focused on a variety of challenging opportunities ranging from Competitive product analysis, to writing software for SMT simulation, and Return-on-Investment analysis for many different types of capital equipment suppliers, to working with companies on making the change to Lead-Free process.

Mr. Garlic has written numerous papers for the IEEE, ACM, and SMTA technical conferences and user groups on topics ranging from; Cost of Ownership, Error Budgeting for SMT Placement, Automated Testing, Dynamic Stress Testing, Data Collection Systems, and, Return-on-Investment Selling Strategies. He also holds numerous patents in Microprocessor design.

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Presidents Message

By: Scott Penin

Happy 2005! We hope everyone had a wonderful holiday season and are ready for the 2005 year!

We would like to send our heart felt condolences to all those who have been affected by the terrible Tsunami Disaster. Many of us have been actively involved in providing assistance to the victims by volunteering at our local church or school in fund raising activities. Keep up the great work! When we all work together wonderful things happen!

We are starting to plan the calendar for 2005. There were 20 individuals who voted for board members and filled in the survey. We will be using the results of this survey for planning our meetings. Those of you who have not had an opportunity to fill in the survey, but would like to have input on our monthly meeting topics can still do so by e-mailing your ideas to myself, Dick Garlic, or any of our other board members.

The election results are in for our chapter. Our board remains unchanged from last year. We did not have any members that wished to run for any board positions, but we did have several write-in candidates. If you were one of those write-in candidates then please contact myself or Michelle so we may discuss how you can participate on the LA/OC SMTA board.

The success of our chapter is the result of our strong board members and their dedication to the mission statement of SMTA. I would like to thank the board for all their hard work this year in keeping our chapter strong and functioning and look forward to a better year in 2005. The Board members for 2005 are:

President: Scott Penin

Vice President: Atul Mehta

V.P. of Membership: Michelle Ogihara

V.P. of Education and Secretary: Kathy Palumbo

V.P. of Technical Programs: Dick Garlic

Treasurer: Riki Brown

As always, if you have any suggestions for next year's meetings, are looking to be part of the LA/OC SMTA board, and/or volunteer then please contact us at laocsmta@laocsmta.org.

December 2004 Christmas Party Review

Host: Elizabeth Howards Dinner Theater **Featuring:** Rodgers & Hammerstein "South Pacific"

Written By: Atul Mehta, JPL

As always, the month of December for LA/OC SMTA chapter is party time and the regularly held monthly technical meeting was replaced with a dinner show at Elizabeth Howards Curtain call theatre in Tustin, California.

The December 10th Christmas celebration featured a live theater show called "South Pacific", which was a Broadway hit by Rodgers and Hammerstein. "South Pacific" proved to be an outstanding musical starring highly talented professionals who entertained the audience the entire evening. Some 42 SMTA members, non-members, and children of members patronized the show.

The evening began with a social hour followed by a delicious three-course dinner all in an elegant setting. The dinner menu consisted of Soup du Jour, Garden Salad, Potato & Vegetable, & a choice of main course of Pot Roast, Roast Pork Loin, Roast Chicken, or Baked Ham (Prime Rib, extra). Dessert & soft Beverages were included. As a special thanks to our sponsors and regular attendees, SMTA LA/OC offered highly subsidized pricing and to all other attendees offered a nearly 40% discount.

"South Pacific" was adapted from the Pulitzer Prize winning novel "Tales Of The South Pacific". Set in an island paradise during World War II, two parallel love stories are threatened by the dangers of prejudice and war. Nellie, a spunky nurse from Arkansas, falls in love with a mature French planter, Emile. Nellie learns that the mother of his children was an island native and unable to turn her back on the prejudices, with which she was raised, refuses Emile's proposal of marriage. Meanwhile, the strapping Lt. Joe Cable denies himself the fulfillment of a future with an innocent Tonkinese girl with whom he's fallen in love out of the same fears that haunt Nellie. When Emile is recruited to accompany Joe on a dangerous mission that claims Joe's life, Nellie realizes that life is too short not to seize her own chance for happiness, thus confronting and conquering her prejudices.

"South Pacific" offers the finest kind of balance between story and song, hilarity and heartbreak. Few Broadway musicals can match the songs of "South Pacific" for their beguiling tunes and meaningful lyrics. Whether addressing such varied subjects as love at first sight, race prejudice or lost possibilities, they speak a rare yet simple language.

Everyone had an excellent time at the theatre and departed by wishing one another a great Holiday Season. We wish all of you a Happy and Healthy New Year and all are looking forward to a prosperous 2005.

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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".

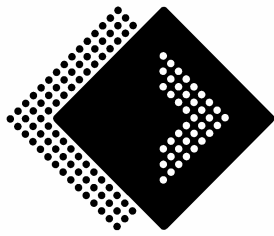
If you would like to start an SMTA student chapter at your school, please complete the "Student Chapter Start-up Application Form" that is attached.

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

Volunteer Planning Committee Members Join Our...

“Habitat for Leadership Development”

Do you enjoy working on teams and relating to others? Are you able to speak clearly and delegate to others? Are you good at collecting and analyzing data, problem solving, & planning? Do you desire to be a leader? If you can answer “YES” to some of these questions, then perhaps you would like to volunteer some of your skills for one of our many Planning Committees.

A Planning Committee member will typically donate just an hour/month performing various planning activities. The activities could range from researching various meeting locations, costs, supplies, and speakers needed, to providing incentive/survey methods and input/feedback on newsletter, website, and/or meeting content.

Many committees are available to choose from, such as the *Christmas Party Committee, Tour Meeting Committee, Chapter Training Program Committee, Golf Tournament Committee, Attendance Committee, Membership Committee, Student Chapter Committee, New Membership Committee, Fund Raising Committee, Technical Speaker Committee, and Newsletter & Website Committee.*

This is an excellent opportunity to receive free leadership skill building, improve your contacts within the industry, provide support for a mission you care about, and most of all demonstrate to your friends and colleagues that you have what it takes to be a leader.

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

Remember....Life is Change...Growth is Optional...Choose Wisely!
 For More Information E-mail Michelle Ogihara at michelle-o@jp.seika.com
 OR
 Contact by Phone at 310.540.7310

Calling All Members!

WE NEED YOUR INPUT!!

We need presentations for our 2005 meeting schedule

Currently our planning board has the following months available:

March, April, May, June, September, & November

We are looking for Presentations in the following categories:

Lead-free Assembly & Performance Measurement, IPC Assembly & Design Standards, PCB Final Finishes & Selection Methodology, Solder Joint Failure & Root Cause Analysis Methodology, Basic PCB Layout, & RF Design.

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

Please E-mail Dick Garlic at rgarlic@cox.net OR Contact by Phone at 949.643.1822



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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



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