



SMTA Initiatives 2003-2004

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Libra Industries, SMTA President

SMTA Mission

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

Process/Systems Certification

- Launched September 2002
- Already close to 100 certified SMT Process Engineers
- Combination two day review workshop and both closed and open book exams on days 2-3
- This is NOT an entry level program
- Certification is available in either SMT Processes or SMT Systems
- Instructors: Dr. Ron Lasky and Jim Hall
- Our 1st international program was held in Juarez, Mexico in 2003. We now have a Spanish speaking instructor.



Process/Systems Certification (continued)

- Our first international program in 2004 will be in Hong Kong
- Great instructors, great students, great evaluations!
- 2004 programs in Toronto (March), Boston (May), Minneapolis (June), Chicago (September), Dallas (October), LA (November)
- Companies participating to date: Contract manufacturers, OEMs, as well as material and equipment suppliers!
- Chapters have all been sent a PowerPoint on this program-please share that info.
- Committee Chairman: Julian Partridge, StakTek
- Questions? Talk to Julian or visit www.smta.org



Student Chapters

- Mission is for student chapters to build a network of students and professionals while creating learning opportunities for students to develop skills and knowledge necessary for work in our industry.
- We currently have 4 student chapters and are looking for MORE!
- Active chapters at North Dakota State University, Oregon State, SUNY Binghamton, and CMAP/Toronto
- Students hold meetings on campus, they attend local chapter meetings.
- SMTA covers travel for up to two student chapter members to present papers at SMTAI.



Student Chapters (continued)

- Discounted pricing is available for students to attend all SMTA conferences and courses.
- Finding an advisor at the college to liaison between your chapter and the students is the key to implementation.
- If you do not have a student chapter, consider establishing one. Invite professors to your meetings!
- If you have a student chapter, please support them generously. Good examples are the Upper Midwest and Portland Chapters for their support of NDSU and OSU!
- Committee Chair: Jim Bartlett, NDSU
- Questions? Talk to Sis or visit www.smta.org!



International/Global Expansion

- Our newest international chapters are in Costa Rica and Hong Kong. We appreciate Abby Tsoi's travelling from Hong Kong to be with us this weekend.
- SMTA opened an office in Shenzhen, China in 2003. They focus on membership development and assist us with programming.
- We are exploring chapter formation in Eastern Europe. SMTA will participate in a small event in Poland this spring.
- SMTA had a booth at Productronica/Munich in 2003 as well as SMT Nuremberg in 2002.



International/Global Expansion (continued)

- International certification in Juarez and Hong Kong
- SMTA Technical programs in Taiwan and Shenzhen in 2003.
- International chapters in Taiwan, Singapore, Israel, India, Hong Kong, Costa Rica, and Australia (SMCBA)
- We have a strong relationship with SMART in the U.K.
- Four years of presence at Nepcon Shanghai as well as development of the technical program
- Chairman: Dr. Chuck Bauer, TechLead Corporation
- Questions? Talk to JoAnn or visit www.smta.org



Global Membership

- In response to member request we will be launching a global membership in 2004
- Price will be \$1495 a year
- Includes one corporate contact and 10 participating global memberships
- Still to be decided: if there will be separate global membership for the Americas, Asia, and Europe
- Chapters will receive a notice on this from Gayle
- Questions: Talk to Sis or visit www.smta.org



Hutchins Educational Grant

- \$5,000 grant given on a yearly basis to a GRADUATE LEVEL student working in the area of electronic assembly, materials, or advanced packaging.
- Co-sponsored with “Circuits Assembly” magazine and given in honor of our past-president, industry colleague and good friend, Dr. Charles Hutchins.
- Close to \$80,000 has been donated to this fund, with \$30,000 already awarded. Many donations have come from our local chapters. We congratulate you for your acknowledging this important SMTA project and encourage ALL chapters to make a donation on a yearly basis.



Hutchins Educational Grant (continued)

- Deadline for applications is April 15th. Please announce this at your meetings or alert schools in your area.
- Applications can be found at www.smta.org
- Past winners have come from Lehigh University, Auburn, Georgia Tech, and SUNY Binghamton.
- Grant is awarded at SMTA International each September.
- Committee Chair: Dr. Laura Turbini, CMAP/Toronto
- Questions: Talk to JoAnn or visit www.smta.org



MSD Council

- Do you know that the SMTA has an MSD Council? Their purpose is to develop and advance the understanding and practice of moisture sensitive devices in electronic assembly procedures.
- This Council (launched in 2003) is open to all members of the SMTA and can be found on the SMTA Web site.
- Web site currently has a self assessment as well as links to a number of technical articles on the subject of MSD.
- The Council meets twice a year-once is at SMTAI



MSD Council (continued)

- The Council is organizing 1/2 day workshops and technical sessions on this important subject at SMTAI
- During 2004 they will be creating a survey which will be sent to many industry colleagues. They have requested that chapters also distribute this survey to their meeting attendees for completion.
- Complete details will come from Gayle.
- This Council does not set standards-it educates!
- Chairman: Kevin McCarten, Lizem Technologies
- Questions? Talk to JoAnn or visit www.smta.org



On-Line Presentations

- This most popular offering was launched in 2003.
- Allows us to provide “distance” learning for those not able to attend our national events.
- This is a combination of using a PowerPoint presentation and listening to the speaker via your phone line.
- Nine programs were offered in 2003, and topics included 0201, Black Pad, Emerging Technologies, Manufacturing In India, Testability Guidelines, Better RFQ's, MSD, and Lead-Free.



On-Line Presentations

(continued)

- We are currently soliciting ideas for 2004 topics. You, as chapter officers, are in the position to assist us in selecting the most valuable offerings.
- 45 companies registered for the lead-free program, with an average of 4 employees sitting in at each site!
- Cost for a 90 minute presentation is \$75 for SMTA members!
- Promotion for these programs is all handled electronically - no mailed pieces. Check your e-mail and spread the word!
- Questions? Talk to Jesse or visit www.smta.org



Lead-Free Initiatives

- SMTA took the lead on this topic a number of years ago with the creation of the Lead-Free Symposium at SMTAI. This program will again be presented in September.
- In 2003 we created a TechScan CD containing over 100 of SMTA's "best technical articles" on lead-free. No company library should be without this publication. It was edited by Board member, Dr. Paul Vianco of Sandia Labs. This is an SMTA "best seller"!



Lead-Free Initiatives (continued)

- In 2003 SMTA launched a workshop titled “Implementing Lead-Free at Your Facility”
- This was the industry’s first “how to” workshop on the topic. Instructor is Dr. Ron Lasky.
- The first offering in Minneapolis was a sell out.
- Locations for 2004 will be: Toronto, Boston, Portland, Tampa, Chicago, and San Diego.
- If you or your colleagues need to learn how to make the transition, this is a “must attend” program. Please attend and also help us promote this offering!



New Technologies/Programs

- SMTA will focus on all that it has done in the past, plus add in programming on “focus areas” where much manufacturing is still being done in the United States.
- Medical Electronics Symposium will launch in May in Minneapolis. Technical papers, plenary sessions, keynote address and panel will be featured over two days. Chairman: Jeff Kennedy, MSL.
- Harsh Environments Workshop will once again be held in Dearborn in July. We are still accepting abstracts. Chairman: Dr. John Evan, Auburn University.



New Technologies/Programs (continued)

- International Wafer Level Packaging Congress (IWLPC) will launch in October in San Jose, California.
- Co-sponsored with “Chip Scale Review” magazine.
- Abstracts are still being accepted.
- This event will be a combination of tabletop exhibits, workshops, and technical papers.
- Chairman: Dr. Ken Gilleo, ET-Trends
- Questions on any of these programs? Talk to Kristin or Ken or visit www.smta.org



Cost of Ownership

- SMTA will offer a “Real Time Cost Estimating for Improved Profitability” Guideline and accompanying software this summer.
- This is an Excel based software tool that calculates the cost and profit related to PWB assembly
- It is “user friendly” in that it has “default” values of cost metrics if the user does not know them.
- It can calculate “what if scenarios”
- ProfitPro can model high volume low mix to low volume high mix lines.



Cost of Ownership (continued)

- It is a vital tool for capital investment decisions and productivity improvement
- After several hours of experience a user can completely cost model their facility.
- Status: In final review with committee
- Cost: \$195 to SMTA members
- Chairman: Dr. Ron Lasky, Indium Corporation
- Questions? Talk to JoAnn or visit www.smta.org



20 Years of Industry Support

- This year the SMTA will be celebrating 20 years of service to our industry.
- We have encountered great times as well as challenging economic times. We have been steadfast in our mission.
- We would not have succeeded without YOU-our chapter leaders. As the “heart” of our association you have kept us apprised of the needs of our membership. At the National Level we take your input VERY seriously.
- To commemorate our 20th Anniversary a gala celebration will be held at SMTAI in September-Please Join Us!

