



SMTA

A Global Association Working at a Local Level

Membership Booklet

Our Mission:

SMTA is an international network of professionals who build skills, share practical experience and develop solutions in Electronics Manufacturing (EM), including microsystems, emerging technologies, and related business operations.

We Appreciate You

We Love Our Members!

SMTA is committed to the success of its members in all stages of their career paths. We welcome you to join our national and international experts through captivating networking opportunities and leading educational programs.

Our website includes valuable tools for our colleagues in the electronic assembly technology field. To log on to www.smta.org use your member number and your password. If you applied for membership on-line, you will have set your own password. If you have any difficulties with your account please send an inquiry to **membership@smta.org**.

**Find us on Facebook, Twitter,
LinkedIn, Instagram and YouTube!**



Table of Contents

Member Appreciation	1
Your Benefits	3
Community	3
Engagement	3
Career Advancement	3
Networking	4
Answers	4
Knowledgebase	4
Stay Up-to-Date	5
Bookstore	5
Discounts	5
SMTA International	6
SMTA Annual Conferences	7
Students and Young Professionals	9
Mentorship Program	9
Internship and Job Referrals	9
Scholarship and Grant	10
Certification	11
Online Training	13
Webinars	14

Enjoy the Benefits

Local Communities

Over 30 North American chapters, 9 International chapters and 10+ Student chapters. Take advantage of networking opportunities by becoming a member of your local chapter to find industry information, meet people, solve problems, develop leadership skills and share knowledge. If you are interested in starting or joining a local chapter in your area, please contact chapters@smta.org.

Get Engaged

Build your personal and professional network. Our events attract reliability experts, process engineers, executives, project managers, designers, and technologists who are shaping the future of the electronics assembly industry.

Career Advancement

Use the Career Center for positions wanted and positions available. Check the Job Listings page of the SMTAnews section for a current list of employment opportunities or to post a position. Members post for free!

Networking Made Simple

All members are able to access our Member Directory through our website. Our Directory is a comprehensive resource listing with a built-in messaging tool to access and network with over 3,000 members worldwide! We also include a product referral section, as well as advertising opportunities for corporate members. Contact communications@smta.org for more information.

Access Answers

Our Q&A Forum discussion board is co-powered by SMTnet and SMTA. Get quick answers to your process and assembly challenges with an efficient and effective two-way exchange between providers and users of the products. We enable visitors to post and reply to questions and to get answers directly from other industry professionals.

Knowledgebase

Search our Knowledge Base featuring over 5,000 full length articles and technical papers from the Journal of Surface Mount Technology and all Conference Proceedings. Start your research using the Knowledge Base. Downloads are free for members!

Stay Up-to-Date

As an association, we take pride in keeping our members updated with both current training and breaking industry news.

Our members have the ability to log on to online trainings and webinars from the comfort of their own desk, to stay “in the know” with current processes. Our members enjoy 4 free webinars per year (\$100 Value), and receive the Journal of SMT each quarter.

As a member of the SMTA you also have the ability to post member news to all of our sites. Corporate members can also utilize this benefit to post press releases in our Industry News Section. Contact communications@smta.org about posting your news items.

Bookstore

The SMTA Online Bookstore offers over 150 publications reviewed by a committee of industry professionals and recommended as the best references for the electronics industry. Search by subject area and order online today!

Discounts

Your membership gives you access to lower rates on premier industry events which offer the best educational and networking opportunities around. These events include all of our conferences and symposiums, along with discounted exhibitor rates at our local expos. You will also receive discounts on your local chapter meetings as well as discounts to all of our online webinars hosted by industry professionals.

SMTA International

SMTA International is the industry's leading and strongest technical conference with over 140 technical presentations every year!

This Five-Day Conference Involves:

- High Profile Conference Keynotes
- Two Full Days of Professional Development Courses
- Student Poster Sessions
- Collaboration Opportunities with Industry Experts

Past Presenting Companies:

- | | |
|------------------------|--------------------|
| -Lockheed Martin | -Intel Corporation |
| -Rockwell Automation | -BOSE Corporation |
| -Panasonic Corporation | -Microsoft, Inc. |
| -Collins Aerospace | -Raytheon Company |

For more information about SMTA International:
www.smta.org/smtai

SMTA Annual Conferences

Additive Electronics Conference (*NEW!*)

Advanced Electronics Assembly Conference (*NEW!*)

Electronics in Harsh Environments Conference

High Reliability Cleaning and Coating Conference

International Conference for Electronics Hardware

Enabling Technologies (ICEHET)

International Wafer-Level Packaging Conference (IWLPC)

Medical Electronics Symposium

Pan Pacific Microelectronics Symposium

Symposium on Counterfeit Parts and Materials

SMTA Annual Expos

Local Expos and Tech Forums are one of the great benefits of SMTA's local chapters. Attendees get valuable technical info, meet leading suppliers, and get a **FREE** lunch. Exhibitors get a great opportunity to connect with people in their region who want to know about their products and services.

SMTA hosts 25 national and international Expos each.

For more details, contact : expos@smta.or or visit

<https://www.smta.org/expos/>



SMTA

1107

36

Reliability

Test

Inspection

Quality

Design

Soldering

Process

Assembly

Packaging

WHERE DOES YOUR RESEARCH FIT?

Find the Right Fit to Share Your
Research at an SMTA Conference

www.smta.org/share

Students and Young Professionals



It's so important to us that you know exactly what we have to offer you, and it may be more than you think. We want to help you have a long and healthy career in the industry, and we are ALWAYS happy to help.

Mentorship Program

SMTA is an organization based on knowledge sharing. We want to help you succeed in your field. Take advantage of this opportunity by being paired with a mentor through your local chapter.

Internship and Job Referrals

Our corporations trust our judgement, and our Young Professionals are the cream of the crop. We've compiled a list of all the companies that are currently accepting resumes from SMTA members for career and internship positions. For exclusive job postings, you can also utilize our online Career Center at SMTA.org. Contact Tamara Shephard, tamara@smta.org for more information.

Scholarship and Grant

SMTA offers the Stromberg Scholarship and the Hutchins Grant annually based on graduate technical work and undergraduate leadership initiatives.

JoAnn Stromberg Student Leader Scholarship

The **\$3000** JoAnn Stromberg Student Leadership Scholarship, given in honor of the nearly 30 years of service dedicated by former Executive Administrator, JoAnn Stromberg, was established following her retirement in 2015. The purpose of this scholarship is to encourage students to take on more leadership opportunities and strengthen the connection between students and the electronics industry.

The Stromberg Scholarship is awarded annually to a full-time student pursuing a degree in electronics and actively involved in the SMTA.

Charles Hutchins Educational Grant

This **\$8000** grant, given in memory of Charles Hutchins, past president of the SMTA, educator, mentor, and distinguished industry colleague, was established in 1998 to encourage graduate students to pursue careers in the electronics industry, by developing closer ties between student research and the needs of the electronics industry.

The Hutchins grant, co-sponsored by SMTA and Circuits Assembly magazine, has been awarded annually since 1998 to a graduate-level student pursuing a degree and working on thesis research in electronic assembly, electronics packaging, or a related field.

SMT Certification

About SMT Certification

Each SMTA Certification program is a three-day course on topics in SMT Processes or Lean Six Sigma Green Belt. The program concludes with an open and closed book examination (SMT Processes) or open book exam (Lean Six Sigma Green Belt). These challenging examinations require both written answers and calculations with the intent to enable the attendee to establish competitive credentials as “Certified” by the SMTA in SMT Processes or Lean Six Sigma Green Belt.

Who Should Attend?

SMTA Certification is intended for manufacturing and process engineers. Additionally, production, design, test and quality engineering personnel, as well as SMT assembly managers who want to confirm their current competence at a fundamental level of overall process technology or are looking to improve the productivity and quality of an assembly process, should consider participating.

Why You Should Participate?

Technologies change at the speed of light, and competition and expectations are forever increasing. This comprehensive program will provide the course, study materials and examination, allowing you to be recognized as an SMTA Certified Process or Lean Six Sigma Green Belt Engineer. The SMTA Certification program is unique, as it recognizes and certifies a working knowledge of the entire SMT assembly process at an engineering level.

Individual Benefits

- Demonstrate and prove your knowledge, experience and competency
- Learn by face-to-face instruction from industry recognized leaders and top-tier SMTA instructors
- Receive recognition in SMTA publications
- Initiate opportunity for possible career advancement and benefits at performance reviews

Prerequisites

SMT Processes

- Two years of college (or equivalent)
- Minimum two years of experience in all aspects of SMT, including process optimization
- Knowledge of all process and systems steps, including calculations from screen printing and dispensing through test and inspection

Lean Six Sigma Green Belt

- Two Years of college (or equivalent)
- Familiarity with elementary statistics
- Familiarity with simple algebra
- One year of SMT Process Experience

In House Certification

In addition to the regularly scheduled offerings, we can also provide in-house certification! Cut registration costs by 25%, reduce travel expenses and have multiple employees become certified at your own facility. We bring the instructor and materials to you!

*Minimum of 10 attendees required

Certification Pricing

For pricing, visit www.smta.org/certification or email **certification@smta.org**

Online Training Courses

The mission of the SMTA Online Training Program is to establish, review, maintain and continuously improve affordable and accessible training materials, topics, content, and trainee focus accounting for current and emerging SMT and packaging technologies.

The following 101-level courses are offered at a low cost and are great for technicians, new engineers and even sales and management to brush up on their electronics manufacturing fundamentals. The best part? Take the courses at your own pace, on your own time. Each course includes an exam and certificate of completion to qualify knowledge retention.

Assembly Essentials Package

Includes 7 courses:

- Stencil Printing
- Component Placement
- Reflow Soldering
- Wave Soldering
- Selective Soldering
- Rework
- Cleaning

To enroll in the Assembly Essentials Package or obtain more information, visit **www.smta.org/training**

Webinars

No travel budgets? No problem. Listen to outstanding speakers without leaving your desk. SMTA Webinars are a great solution for getting the latest information on electronics assembly and advanced packaging at the best price.

What to Expect

Pricing varies by webinar. SMTA often co-organizes webinars with chapters and pricing may be determined by the chapter. A minimum of four webinars are planned each year with no cost to members.

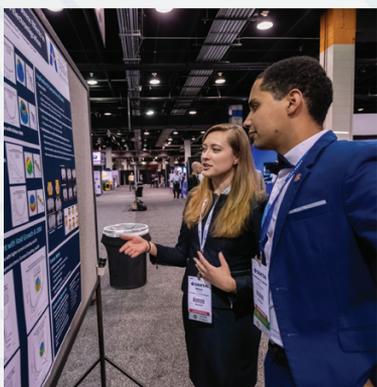
Each registrant is allowed one phone line connection for as many site employees as can be accommodated by your AV facilities. Multiple connections must be individually registered.

After registration, instructions for joining the webinar will be sent to attendees by email within 48 hours of the scheduled event.

Share Your Knowledge

Interested in presenting a webinar? Contact **webinars@smta.org**

For pricing and more information, visit **smta.org/webinars**



Contact Us:

6600 City West Parkway, Suite 300

Eden Prairie, MN 55344, USA

+01 952-920-7682

www.smta.org