Surface Mount Technology Association

An Affiliated Partner of

MentorNet

Overview
SMTA’s Mission

- The SMTA membership is an international network of professionals who build skills, share practical experience and develop solutions in electronic assembly technologies, including microsystems, emerging technologies, and related business operations.

- The mission of SMTA Student Chapters is to build a network of students and professionals, while creating learning opportunities for students to develop skills and knowledge necessary for work in the electronic industry.
MentorNet’s Mission

- To enhance engineering and related sciences, by promoting the progress of minorities through the use of a dynamic, technology-supported mentoring network.

- To advance individuals and society, and enhance engineering and related sciences, by promoting a diversified, expanded and talented global workforce.

“The MentorNet experience showed me the broad range of career options that exist. My mentor also showed me how important it is to have a strong scientific background.”

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From Mission to Vision & Implementation

A sustainable, nonprofit, large-scale, research-based, global online mentoring network for STEM:

MentorNet Community

One-on-One Program  MentorNet News  Resume Database
E-Forum  Resources & Links

20,935 pairs since 1998 (as of 1/24/08)
20,693 active members (as of 1/24/08)
MentorNet’s One-on-One Program: How Does It Work?

- Protégés: undergraduate & graduate students, postdocs, and early career faculty
- Mentors: professionals working in industry, government, and higher education
- Structured mentoring relationships are conducted via email, last for 8 months, and supported with:
  - Online profiles & information
  - Bi-directional matching algorithms
  - Online training
    - Guides
    - Interactive online case studies
  - Email “coaching”
    - Tailored suggested topics
    - Program manager support
  - Online program evaluation via survey

*part of MentorNet’s patent-pending systems

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Why Mentoring?

“I joined MentorNet to connect with other engineering professionals, those who have “been there - done that”. I wanted a mentor who has worked in industry and to whom I could go for guidance and input.”

Tania Oogarah, protégé
Electrical Engineering Graduate Student
University of Waterloo, Ontario, Canada

“MentorNet is a great opportunity for me to help give back to others within the electronics industry. By sharing my experiences I hope to pass along a passion for technology development, innovation, and collaboration.”

Matt Kelly, P. Eng, MBA; Tania’s mentor
Senior Engineer, IBM Corporation

SMTA - committed to linking students to the industry
MentorNet Coaching: Sample Discussion Topics
(varies by protégé educational level)

- Getting Acquainted
- Setting Goals
- Email Schedules
- Mentoring Tips
- Class Selection
- Diversity and E-Mentoring
- Study Tips
- Time Management

- Self Confidence
- Financial Aid
- Resume
- Job Search
- Internships
- Gender Issues
- Managing Stress
- Perseverance
An SMTA Member’s Perspective . . .

“I became active in MentorNet about nine years ago. I’ve gotten insights on how to communicate with Gen Y colleagues, learned about technology advances my protégés are researching, and been buoyed by their enthusiasm.

I’ve found that in just a few hours per month, my protégé and I can build a relationship that encourages personal and professional development. When I’m traveling, I can either continue our email discussion or let my protégé know that I’ll be out of contact for a short time.

MentorNet and the SMTA are both great ways to build your network. Now that the SMTA is an Affiliated Partner with MentorNet, I look forward to being matched with SMTA student members. These relationships will be as rewarding for me as for my protégés.”

Marie S. Cole, SMTA Board of Directors
Distinguished Engineer, Lead Free Program Manager
Electronic Card & Interconnect Engineering
IBM Integrated Supply Chain
Thanks to MentorNet’s 2007-08 sponsors:

- 3M* Foundation
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- Los Alamos National Laboratory
- National Science Foundation
- Naval Research Laboratory
- NVIDIA
- Sandia National Laboratories
- S. D. Bechtel, Jr. Foundation
- Texas Instruments*
- The MathWorks, Inc.
- Thomson West

*To find SMTA Corporate Members and Chapters on the SMTA.org website, click here
The First Steps to Get or Become a Mentor:

Go to http://MentorNet.net

Click on “Sign Me Up”

Be sure to indicate SMTA Membership in your profile!
MentorNet®
One-on-One Mentoring Programs

Interested in working in engineering, science, technology, or math?
Interested in or pursuing an academic career in engineering, science, technology, or math?

Find a Mentor!
Learn More

A professional with a degree OR background in engineering, science, technology or math?
A tenured engineering or science faculty member?

Be a Mentor!
Learn More

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Join the MentorNet Community . . .

MentorNet Community Registration

In order to participate in MentorNet’s One-on-One Programs, you must first join the MentorNet Community. If you are already a member of the MentorNet Community, [sign in here](#).

To join the MentorNet Community, please choose a UserName and Password, and supply us with your name and a valid email address below. (See [Demo of Community](#).)

Immediately after completing this form, you can choose to create either a mentor or protégé profile for the One-on-One E-Mentoring Program, or to simply enroll in the Community and begin using its features.

*Required Fields

Already a member? [Sign in now](#).

*UserName: ____________________________
*Password: ____________________________
*Retype Password: ______________________

*First Name: __________________________
*Last Name: __________________________
*Email Address: _________________________
*Retype Email Address: __________________

☐ I have read and agree to abide by the MentorNet [Terms of Service](#)

[Join the MentorNet Community](#)

Fill in the required information

Then click to Join
Create a profile . . .

**Employment Information**
How many years of professional work experience do you have?
- None
- 0-1 years
- 1-3 years
- 3-5 years
- 5+ years

**Education Level of Protégé**
- Community College
- 1st/2nd year Undergraduate
- 3rd/4th/5th year Undergraduate
- Master's Degree candidate
- MBA candidate
- Doctoral candidate
- Postdoctoral candidate

**Topic Information**
Please rate how comfortable you feel discussing each of the following topics with the student.
- *General Support:* Share my experiences with a student or help serve as a mentor.
- *Research Issues:* Provide support around academic and research issues, such as choosing research areas, writing grants, etc.
- *Career Perspectives:* Provide student with increased understanding of career opportunities.

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Include SMTA in your profile...

Please check all professional societies and special projects to which you belong. (Affiliated Plus Partners and Special Projects are marked in blue):

- Air and Waste Management Association (A&WMA)
- American Institute for Medical and Biological Engineering (AIMBE)
- American Physiological Society (APS)
- Anita Borg Institute for Women and Technology (ABDI)
- Association for Computing Machinery (ACM)
- Association for Women in Science (AWIS)
- Biotechnology Institute
- Eastern Alliance in Science, Technology, Engineering, and Mathematics (EAST)
- Forum on Industrial & Applied Physics of The American Physical Society (FIAP)
- International Society for Computational Biology (ISCB)
- Makorah Minds Mentor Program
- Mathematics Research Communities Project
- Minnesota High Tech Association (MHTA)
- National Organization of Gay and Lesbian Scientists and Technical Professionals (NOGLSTP)
- National Society of Black Physicists (NSBP)
- Sigma Delta Epsilon, Graduate Women in Science, Inc. (GWIS)
- Sigma Pi Sigma
- Society for Advancement of Chicanos and Native Americans in Science (SACNAS)
- Society of Physics Students
- Student Pugwash USA
- **Surface Mount Technology Association (SMTA)**
- Wollman Engineering ProActive Network (WEPAN)
Wait for your match . . .
Connect with your mentor / protégé . . .
Receive e-mail coaching throughout the mentoring relationship . . .

Getting Started:

We recommend sending an email to your protégé within three days to introduce yourself. If you do not hear from your protégé within a few days, we suggest sending the message again as firewalls and misspelled email addresses can occasionally hinder initial contact.

We encourage you to spend several email messages in the beginning to learn what you have in common with your protégé, sharing your interests, and discussing your goals for your new e-mentoring relationship.

Setting Goals for Yourself

If it interests you, we encourage you to take a moment to ask yourself what personal goals you wish to set. Other than reaping the benefits of being a mentor (the rewards for reaching out to a protégé, etc.), is there anything you wish to develop? Are you interested in improving your mentoring skills? Communication skills? Leadership skills? Are you seeking greater self-awareness through successful mentoring of another? Fresh perspectives? Continued learning? Determining some goals toward personal development can help you benefit even greater from your e-mentoring relationship.

As you probably know, but your protégé may not, a curriculum vitae (CV) and resume are two ways to track your career, but look very different and have very different purposes.

You may want to ask your protégé to exchange resumes or CVs. This will allow you and your protégé to get to know one another better and give you the opportunity to offer tips on creating an effective CV or resume.

We referred your protégé to the links section on our website (www.mentor.net/community/resources/links/links.aspx), especially the part on Career Guidance and Job Search Advice.
We hope you enjoy your experience as a MentorNet mentor or protégé!

If you have any questions about this volunteer opportunity for SMTA members, please contact Karen at karen@smta.org or call 952-920-7682