Tartan Park To Host 17th Annual SMTA Golf Tournament

Chapter Meeting Information

The Upper Midwest Chapter Officers are in the process of arranging a chapter training event being set for September 9th. The event will be an all day training seminar on lead free solder given by Rob Rowland, Radi Sys Corp. This event is scheduled to be held at Boston Scientific in Arden Hills, MN. Stay tuned for details. Check the local SMTA web page (www.smta.org) and click on the MN local chapter tab, for more information on this an all other future events and times.

Complete Golf Outing Details in This Edition

July 22, 2008 Golf Tournament

Tartan Park Golf Club (3M’s course in Lake Elmo, MN) will again play host to the SMTA’s ardent players when the Seventeenth Annual SMTA Golf Tournament visits the legendary Minnesota course. This event will be held on Tuesday, July 22nd, 2008. Tee Times will start at 11:30 A.M. Please arrive by 10:30 A.M. to complete the registration process. Although lunch will not be provided, the snack bar will be open for your convenience. The sign-up for this tournament is on a first come, first served basis with a maximum of 80 golfers. To facilitate the planning of this scramble format, please follow the registration procedure below. Payments must be received by Tuesday, July 22nd to ensure your spot.

Fees: $60.00 for 18 holes. This fee includes golf, cart, prizes, and dinner. No-shows will be invoiced.

Registration: Register by Noon Friday, July 11th to Erik Stromberg via email at estromberg@e-tronix.com Include your name, company name, telephone #, and your average score for 18 holes. If you have any questions, you can reach Erik at (612) 803-2619.

Checks Payable to: SMTA
Send Checks to:
Erik Stromberg
E-tronix
4005 Xerxes Ave. S.
Minneapolis, MN 55410
Happy summer to everyone.

The chapter officers and I would like to thank everyone that worked so hard to make our annual Vendor Appreciation Day a huge success. As always, 3M provided a wonderful setting for our event. I would like to thank the 3M staff that helped as well as for generously donating the use of their 3M Saint Paul Campus for this event. We thank 3M for this support. In addition, I hope everyone found the event useful as well as educational. Additional thanks go to all our members that supported the raffle. Between the money collected at the event, and with the upper-mid west SMTA chapter’s matching donation, over 800$ will be sent to Make-A-Wish foundation.

So, what’s next on the SMTA chapter’s calendar? Golf of course. The annual golf outing is right around the corner. Please contact Erik Stromberg if you are interested in the golf event. Even if you are not a die hard golfer, come on out and have a fun day. The 3M tartan Park is beautiful and with a captain and crew format, even if your divot goes farther than your tee shot, you will have a fun day. So, set aside the 22nd of July for the golf event. Tee times start at 11:30 am, but be there at least 1 hour earlier to register and warm up. Golf usually wraps up in the late afternoon, and 3M puts on a great meal in the club house afterwards. Thanks goes out to our golf event sponsors for all those great prizes we give away to the winning teams.

Following the golf event, we are planning our August social with IMAPS. The event is a Saint Paul Saints Baseball game and huge tailgate party. Members can put there names in for a free ticket to the event. Members can purchase guest tickets at a reduced price. Additionally, member and guests gets to attend the feast before the game as well. The game is August 14th and we have reserved seating for over 100.

Lastly, our chapter training event is being set for September 9th. The event will be an all day training seminar on lead free given by Rob Rowland. Stay tuned for details. Check the local SMTA web page (www.smta.org) and click on the MN local chapter tab, for events and times.

Thank you all for your time and see you at the golf course.

Anthony Primavera - Ph.D.  
Fellow - R&D  
Advanced Process Development  
Boston Scientific Corporation  
4100 Hamline Ave. N.  
MS C260  
St. Paul MN 55112  
651-582-7937 Office  
651-261-0234 Cell  
651-582-2945 Fax  
Anthony.Primavera@bsci.com
A SPECIAL THANKS TO ALL THE EXHIBITORS FOR THEIR SUPPORT

*3M Company
*AIM Solder
*Analog Technologies Corp.
*Ayrshire Electronics
Batten & Allen International
BEST Inc.
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*Conductive Containers, Inc.
*Cookson Electronics
*Coretec Inc.
Coridian Technologies
*Creation Technologies Inc.
*DEK USA
Electri-Rep of Minnesota Inc.
*Electronic Systems, Inc.
*Electrotek Corporation
*Ellsworth Adhesives
*Engineering Sales Inc.
Envision Plastics and Design
*E-tool
E-Tronix, a Stromberg Company
*GPD Global
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*Premier Semiconductor Services
Process Technology Engineering LLC
Production Automation Corporation
*Restronics Northland
Techni-Tool
Tonka Electronics, Inc.
*Universal Instruments
*V-TEK, Inc.
*ZESTRON America

*SMTA Corporate Members listed in bold
The Seventeenth Annual SMTA Golf Tournament will again be held at the impeccable Tartan Park Golf Club (3M Club’s course in Lake Elmo) on Tuesday, July 22nd, 2008. Tee Times will start at 11:30 am. Please arrive by 10:30 am to complete the registration process. Lunch will not be provided. The snack bar will be open for your convenience. The deadline to register is July 11th. Payments must be received by July 22nd to ensure your spot. The sign-up for the golf tournament is on a first come, first served basis with a maximum of 80 golfers. Below is all the information on this year tournament.

What: Seventeenth Annual SMTA Golf Tournament

When: Tuesday, July 22nd, 2008

Location: Tartan Park Golf Club
11455 20th Street N
Lake Elmo, MN  55042
(651) 733-3480

Directions: From the West (Mpls/St. Paul) Proceed East on I-94 from Minneapolis or St. Paul, passing 3M Center. Continue approximately 7.1 miles from 3M Center at McKnight Road on I-94 to MN 95/Washington County No. 15 (Manning Ave N.), passing I-494/694 en route. Exit at County Road 15 (Manning Ave. N.) and turn left onto Manning Ave. N. Proceed north 1.4 miles. Turn left onto Manning Trail N., following signs to Tartan Park. Continue 0.6 of a mile to 20th Street N. Turn left on 20th Street N. and precede 0.4 of a mile to park entrance (First entrance: Golf and Clubhouse and Second entrance: Picnic and Sports).

Starting Tee Times: 11:30 am. Please arrive by 10:30 am to complete the registration process.

Registration: Register by noon Friday, July 11th to Erik Stromberg via email at estromberg@e-tronix.com Please include your name, company name, telephone #, and your average score for 18 holes. If you have any questions you can reach Erik at (612) 803-2619.

Fees: $60.00 for 18 holes. This fee includes golf, cart, prizes, and dinner. All fees must be received by Tuesday, July 22nd. No-shows will be invoiced. Space is limited so please make your reservations early.

Checks Payable to: SMTA

Send Checks to:
Erik Stromberg
E-tronix
4005 Xerxes Ave. S.
Minneapolis, MN  55410

Tournament: The tournament will consist of a four-person scramble. We will organize the teams based on your golfing caliber in order to make the teams fair. The number of suppliers and users in the four-some will also be taken into consideration. As most of you know from previous years, the tournament will be played in rain or shine unless it is lightning outside, so plan accordingly to the weather conditions.

Dinner: 3M and SMTA will be sponsoring dinner. Dinner will be provided after the tournament for everyone at the clubhouse starting at approximately 5:30pm.

Prizes: Each supplier donating a prize will get a sign at the tee box stating their name and what event the prize is awarded for. Prizes will be presented at the dinner at the end of the tournament. All winners must be present to receive their prize. Please direct all prize offerings to Jeff Kennedy at (651) 604-3981.
### 2008 SMTA Golf Hole Sponsors—$50 Cash/Certificates/Material Goods for one winner per hole  (BLUE Course)

<table>
<thead>
<tr>
<th>Hole/Contest</th>
<th>Sponsor</th>
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<tbody>
<tr>
<td>Hole # 1 Door Prize</td>
<td>3M Electronics Markets Materials Division</td>
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<td>Hilasal™ Golf Towel with</td>
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<td>Embroidered 3M Logo</td>
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<tr>
<td>Hole # 1 Longest Drive</td>
<td>Coridian</td>
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<tr>
<td>Hole # 2 Best Chip closest to the</td>
<td>Peterson Sales and Associates</td>
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<td>pin</td>
<td>State of the Art &amp; Gowanda</td>
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<tr>
<td>Hole # 3 Longest Putt</td>
<td>Restronics Northland</td>
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<td>Hole # 4 Longest Drive</td>
<td>Loctite Electronics</td>
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<tr>
<td>Hole # 5 Closest to the Pin on the Drive</td>
<td>Tonka Electronics</td>
</tr>
<tr>
<td>Hole # 6 Longest Putt</td>
<td>Fine Line Stencil/ATP</td>
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<tr>
<td>Hole # 7 Longest Drive</td>
<td>Production Automation &amp; YES Tech</td>
</tr>
<tr>
<td>Hole # 8 Closest to the Pin on the Drive</td>
<td>Electronic Systems, Inc.</td>
</tr>
<tr>
<td>Hole # 9 Longest Drive</td>
<td>Electri-Rep of MN Inc.</td>
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## 2005 SMTA Golf Hole Sponsors—$50 Cash/Certificates/Material Goods for one winner per hole  (WHITE Course)

<table>
<thead>
<tr>
<th>Hole/Contest</th>
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<tr>
<td>Hole # 1 Longest Drive</td>
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<tr>
<td>Hole # 2 Best Chip to the pin</td>
<td>FCT Assembly/ATP</td>
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<tr>
<td>Hole # 3 Closest to the Pin</td>
<td>Indium</td>
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<tr>
<td>Hole # 4 Longest Drive</td>
<td>HEI, Inc</td>
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<tr>
<td>Hole # 5 Longest Put</td>
<td>Production Automation &amp; DEK</td>
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<tr>
<td>Hole # 6 Best chip to the pin</td>
<td>Presidio</td>
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<tr>
<td>Hole # 7 Closest to the Pin</td>
<td>Omnitronics</td>
</tr>
<tr>
<td>Hole # 8 Longest Put</td>
<td>Universal Instruments</td>
</tr>
<tr>
<td>Hole # 9 Longest Drive</td>
<td>JMW Enterprises</td>
</tr>
<tr>
<td>Hole/Contest</td>
<td>Sponsor</td>
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<td>-------------------------------------------</td>
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</tr>
<tr>
<td>Best 9 hole Score Front 9 White</td>
<td>HISCO</td>
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<tr>
<td>Best 18 hole Score</td>
<td>SMTA – Midwest Chapter</td>
</tr>
<tr>
<td>2nd Place 18 hole Score</td>
<td>Great Lakes Engineering</td>
</tr>
<tr>
<td>Best 9 hole Score Back 9 – Blue</td>
<td>HISCO</td>
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<tr>
<td>GRAND PRIZE (Users Only)</td>
<td>JMW</td>
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<tr>
<td>Chicken and Ribs Dinner</td>
<td>SMTA and 3M Company</td>
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<tr>
<td>Dinner Door Prize (All Eligible)</td>
<td>Zestron</td>
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<tr>
<td>Dinner Door Prize (All Eligible)</td>
<td>Great Lakes Engineering</td>
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<tr>
<td>Dinner Door Prize (All Eligible)</td>
<td>Cyber Optics</td>
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<td>Dinner Door Prize (All Eligible)</td>
<td>Starkey</td>
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<tr>
<td>Dinner Door Prize (All Eligible)</td>
<td>MET</td>
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<tr>
<td>Most Balls in the Water</td>
<td>Indium</td>
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<tr>
<td>Funniest Story for a Hole</td>
<td>SMTA National</td>
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<tr>
<td>Dinner Door Prize (All Eligible)</td>
<td>Omni-Tronics</td>
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Tournament Guidelines

SMTA will limit to Only 1 Individual Prize and 1 Team prize per player.

**Longest Drive:** Longest Ball off of the tee-box in play. May not be out of bounds.

**Longest Putt:** Longest putt to go into the hole in 1 stroke. The ball must be on the green or on the fringe of the green to count.

**Closest to the pin:** On short holes it requires a shot from the tee box to the green. On par 4 holes, it can be an approach shot from the fairway to the pin.

**Best Chip shot to the pin:** approach shot or chip shot from the fairway/(off the green) that makes the ball closest to the pin.

**Mulligans:** We are selling mulligan tickets for $5 each. Each person can purchase 1 mulligan ticket and a maximum of 4 mulligan tickets per 4-some. The mulligan can be used at any time during the round. Also, purchasing a mulligan ticket will qualify you for the cash giveaway from the mulligan kitty.

**3-Some Groups:** If your team is a 3-some, 1 person gets to take 2 shots on every shot for the hole. This would then rotate people on the next hole and so on throughout the entire round.

**Each team must use each member of foursome’s drive on each of the front and back 9. Record on scorecard whose drive is used per hole. (Put a dot or circle on their line of the score card under the hole number)**

**Limit:** One Individual prize and One Team Prize

Team Tie Breaker is defined by Course listing degree of difficulty starting with the White Course.

**Drink Responsibly** (Make sure you have plenty of water in the heat of the day)
FREE FOR MEMBERS!!!

IMAPS and SMTA Member Appreciation Day 2008

St. Paul Saints Game
Thursday August 14th
5:00 PM to 9:00 PM

Please join your fellow SMTA and IMAPS members for a St. Paul Saints game. Ticket price includes reserved seating for the game, pop and dinner at our pre-game tailgating party.

SMTA Upper Midwest Chapter & IMAPS Viking Chapter are holding our first annual member appreciation St. Paul Saints social outing.

We will tailgate in the parking lot. SMTA and IMAPS will provide beverages and dinner.

Date:    Thursday, August 14th
Time:    5 pm to 7 pm tailgating
          7:05 pm game starts
Place:   Midway Stadium
          1771 Energy Park Drive
          St. Paul, MN 55108
          (651) 644 – 6659
          http://saintsbaseball.com
Price:   Members Free - 1 guest per member for $10
          Nonmembers and additional guests $25 each

To RSVP please click the link below or copy and paste the following address into your web browser:
http://www.smta.org/chapters/rsvp.cfm?BEE_ID=1555&BULK_EMAIL_NO=1
YOU MUST MAKE A SEPARATE RESERVATION FOR EACH PERSON ATTENDING!!!
For questions contact Steve Block of Production Automation Corporation at steve.block@gotopac.com or by phone 952-903-0333 ext. 16.
Don’t Forget About Golf!

To facilitate planning for the 17th Annual Golf Outing, please register by Tuesday, July 11th.

Please contact Erik Stromberg
612-803-2619
estromberg@e-tronix.com
## Chapter Calendar of Events

<table>
<thead>
<tr>
<th>Date / Time</th>
<th>Event</th>
<th>Location</th>
<th>Phone</th>
<th>Contact / E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 22, 2008 10:30 am</td>
<td>Annual Golf Outing</td>
<td>Tartan Park Golf Club Lake Elmo, MN</td>
<td>612-803-2619</td>
<td>Erik Stromberg <a href="mailto:estromberg@e-tronix.com">estromberg@e-tronix.com</a></td>
</tr>
<tr>
<td>Aug. 14, 2008 05:00 pm to 7:00 pm tailgate 7:05 pm Game Starts</td>
<td>SMTA/IMAPS St. Paul Saints Game and Summer Social Outing</td>
<td>Midway Stadium 1771 Energy Park Drive St. Paul, MN</td>
<td>952-903-0333 Ext. 16</td>
<td>Steve Block <a href="mailto:steve.block@gotopac.com">steve.block@gotopac.com</a></td>
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<tr>
<td>Sept. 9, 2008 08:00 am</td>
<td>Lead Free Seminar with Rob Rowland</td>
<td>Boston Scientific Arden Hills, MN</td>
<td>651-582-7937</td>
<td>Tony Primavera <a href="mailto:Anthony.primavera@bsci.com">Anthony.primavera@bsci.com</a></td>
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## Corporate Members of our Chapter

- 3M Company
- Accu-Tronics Inc.
- Altron, Inc.
- Analog Technologies Corp.
- ASC International
- Ayrshire Electronics MN
- Banner Engineering Corp.
- Bergquist Company, The BTW Inc.
- Conductive Containers Inc. (CCI)
- Control Products Inc.
- CyberOptics Corporation
- Datakey Electronics
- E-Tool
- EI Microcircuits, Inc.
- Electronic Systems Inc.
- Great Lakes Engineering
- HEI Inc.
- Infinite Graphics Inc.
- InLine SMT
- Ironwood Electronics
- Itron, Inc.
- JMW Enterprises, Inc.
- Micro Dynamics Corporation
- Microstructures, Inc.
- New Wave Components
- Phoenix International
- Raven Industries Inc.
- Restronics Company, Inc.
- Riverside Electronics Ltd.
- Rockwell Collins
- Sauer-Danfoss
- Seagate Technology
- V-Tek, Inc.
- Winland Electronics, Inc.

## Global Participating Members of our Chapter

- Creation Technologies Inc.
- Creation Technologies – St. Peter
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dwstiff@mmm.com

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Your Business Card Ad Would Look Great Here or Below!

We Need Your Continued Support of This Newsletter. Please consider advertising here.
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.

<table>
<thead>
<tr>
<th>Our Chapter Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthony Primavera, Ph.D. (President)</td>
</tr>
<tr>
<td>Erik Stromberg (Vice President, Golf Chairman)</td>
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<tr>
<td>Katie L. Wohletz (Secretary)</td>
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<tr>
<td>Todd Ness (Treasurer)</td>
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<td>Alexander Gene Zeitler (Technical Programs)</td>
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<td>Sue Blankenheim (Membership)</td>
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<tr>
<td>David W. Stiff (Chairman, Newsletter Editor)</td>
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<tr>
<td>Bill Barthel (SMTA Board Liaison)</td>
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</tbody>
</table>

Useful Quick Links to Upper Mid-West Chapter Information

Chapter’s Website: [http://www.smta.org/chapters/chapters_detail.cfm?chapter_id=1](http://www.smta.org/chapters/chapters_detail.cfm?chapter_id=1)


Tartan Park  
11455 20th Street North  
Lake Elmo MN 55042  
651-733-3476

Directions to Tartan Park  
Clubhouse

1. Proceed east from Minneapolis or St. Paul passing the 3M Center.
2. Continue approximately 7.1 miles from the 3M Center at McKnight Road on I-94 to Washington County Road 15 (exit 253 or Manning Avenue), passing I-494/694 enroute.
3. Exit at County Road 15 (Manning Avenue), turn left on to Manning and proceed north 1.4 miles.
4. Turn left on Manning Trail, following the signs to Tartan Park.
5. Continue 0.6 mile to 20th Street.
6. Turn left on 20th Street. Proceed 0.4 mile to entrance to the first park entrance.

NOTE:
7. For those coming from the north or south on I-494/694, proceed east on I-94 4.8 miles to Washington County Road 15 (exit 253 or Manning Avenue). Refer to Step 3 from there.
8. For those coming westbound from Wisconsin, take I-94 to Washington County Road 15 (exit 253 or Manning Avenue). Turn right on Manning and proceed north 1.4 miles. Refer to Step 4 from there.