



MEET THE BOARD

Teresa Beach-Shelow
Superior Joining Technologies, Inc.
President

NBT Board Member Since 2012
 Elected FMA Director since 2010
 FMA Management Council Member

Teresa is Owner/President of Superior Joining Technologies, a precision welding company founded in 1992 that provides micro-welding, laser welding, TIG welding, tool and die repair, fixturing, laser cutting, NDT, and fabrication services to customers in the aerospace and metalworking industries, nationally and globally. She is a recognized leader in efforts to strengthen the manufacturing industry

in northern Illinois. Teresa often speaks out about women in manufacturing, public-private collaboration, workforce attraction, entrepreneurship, and is *passionate and active in community service.*

Teresa is a founding Director of Women of Today's Manufacturing (WOTM) and is a member of several other business groups. As a member of WOTM, she was responsible for the group's sponsorship of the first Manufacturing



Teresa's silent auction purchase, 3D printed chairs. Additive mfg by Cincinnati Inc. (Rick Neff in photo)

Camp which was the catalyst for NBT's summer camp grant program. The program has expanded to nearly 40 camps in 20 states throughout the U.S.



In 2013, Teresa was awarded the first Women in Manufacturing STEP (Science, Technology, Engineering and Production) Award by the Manufacturing Institute. The STEP Awards

honor women who have demonstrated excellence and leadership in their careers and represent all levels of the manufacturing industry.

“ Since 2000, I have used my personal time to partner with other business owners, educators, associations, and politicians to shed a light on the workforce issue facing manufacturing. It has been exciting to develop solutions like manufacturing camps, tours, political focus, one-on-one mentoring, plus support initiatives like Edge Factor and Manufacturing Day... all of these have made an impact to solve the problem! ”

MORE WAYS TO GIVE

As 2016 comes to a close, we reflect on the past year - how fast time flies, milestones, and events such as the presidential election that signify changes for us on a personal, business, and global scale— things that impact the overall “health” of our lives. We think of the difference we are making in the community, what we are thankful for, what we can do better, and mostly how we, in the end, can leave this world a better place.

NBT is thankful for the companies and individuals who share and support our mission. In addition to individual donations, several companies have incorporated creative fundraising into their annual agendas. For example, TRUMPF, Inc., an FMA member company, made a charitable donation to NBT on behalf of their customers during the holidays. Exact JobBOSS selected NBT as the charity of choice at their User Group meeting. MasterCut Tool Corp. Inc. held a Mfg 5K run, walk, paddle where proceeds benefitted three educational foundations, including NBT (see back page).

If you would like to learn more about how NBT can help you or your company **organize and host a fundraiser in your area**, visit the NBT website:

nbtfoundation.org → **WAYS TO GIVE** ↓
FUNDRAISING EVENTS



Endowments & Estate Giving

Unfortunately we are all aware that the skilled labor shortage will not end soon. It will take years—if not decades—to see a change in the manufacturing workforce. If you are looking to create a long-term solution, consider setting up an endowment to help students learn the skills that it takes to fill the void.

An endowment is a permanently-restricted fund in which the principal gift is invested and a portion of the generated earnings are distributed annually for the purpose of funding a scholarship or camp grant in perpetuity.

Estate giving is another way to make a long-term donation to the foundation. You could designate NBT as a percentage (1 to 100 percent) beneficiary of your IRA or other retirement plan assets. When you leave a portion of your retirement plan assets to the foundation, you can protect your family members from heavy taxes and get the most value from your retirement savings. These are simple ways to ensure that your legacy lives on!



nbtfoundation.org → WAYS TO GIVE ↓
ENDOWMENTS



Join FMA & NBT President and CEO Ed Youdell in the President's Challenge! With his personal donation of \$1,500 to NBT, Ed demonstrates his concern about the skilled labor shortage in North America by directing his money to support a scholarship or summer

manufacturing camp grant. He hopes that you will join him in this endeavor and invites you to

"Take the President's Challenge."

nbtfoundation.org/presidentschallenge



The OPC Knows How to Get a Bid—or Two!

Every year, the Outside Processor's Council (OPC) of the FMA holds a silent auction in conjunction with the Motor City Slitters, an annual golf event held in the Detroit area, to benefit the John Grossheim Memorial Scholarship. At this unique fundraiser, attendees can purchase metal processing services and other items donated by OPC member companies. Where else can you buy slitting, pickling, shearing, transportation, or perhaps, tickets to your favorite sporting event—and know you're supporting a great cause?

This year's auction raised \$14,000 that will be awarded to deserving young men and women for scholarships pursuing careers in manufacturing. The OPC established an endowment in 2010 and with the added earnings, they have been able to make annual awards to several students. Named in honor of one of the fund's most dedicated supporters, the OPC/John Grossheim Memorial scholarships have been awarded to the following students:

2016

- **Jacob Eberle**, Western Kentucky University—*Electrical Engineering*
- **Tyler Rigby**, Penn State Behrend—*Mechanical Engineering*

2015

- **Lauren Werner**, Purdue University—*Industrial Engineering*
- **Ryan Henderson**, Penn State University—*Mechanical Engineering*
- **Michael Czerniakowski**, The Ohio State University—*Engineering*

2014

- **Brandon Wells**, Georgia Institute of Technology—*Mechanical Engineering*
- **Ryan Baarstad**, Eastern Michigan University—*Industrial Technology*
- **Justin Garmany**, Auburn University—*Structural Civil Engineering*

2013

- **Kathryn Curtis**, Bradley University—*Industrial & Manufacturing—Engineering & Technology*
- **Nathan Peatrowsky**, South Dakota School of Mines and Technology—*Metallurgical Engineering*

To learn more about how your group can raise funds or set up an endowment for a lasting impact on the manufacturing industry, visit the website:



nbtfoundation.org → WAYS TO GIVE ↓
ENDOWMENTS

Or call Jim Warren direct at (815) 227-8213.



Summer Camp Project becomes a Silent Auction Donation

At LancerTek Summer STEM Academy camp in Roselle, Ill. students worked on several projects throughout the week to gain a thorough understanding of hands-on projects and learning. Students had a blast and reported back to their parents. Here's what a few parents had to say about their children's experience:

“Thank you for offering the LancerTek camp. Both my boys absolutely loved it!! They looked forward to coming each day. My son went to a robotics camp and a hockey camp and the LancerTek camp was his favorite. My boys proudly display the awesome things they made there.”

“The projects were really impressive! My son learned a lot about equipment he had seen but never had the opportunity to use; the CNC machine and being able to make a program for it was all new to him and he loved it! He put the stool in his room, gave the magnet to his brother-in-law for his new apartment, and gave the 3D printed tag to his brother for his backpack. Very proud of all the projects he made. Thank you for making the class such a wonderful experience.”

“I had to share what a positive experience we've had with the summer camp program for middle schoolers. LancerTek was housed for five days, using equipment at both campuses, and gave a field trip opportunity to Acme to see the machining used in the industry. My 13 year-old son had the chance to build his own stool. He absolutely loved this experience! Thank you for all your hard work to bring such valuable programming, staff, and facilities, to allow this type of hands-on modern-day technical learning to happen.”

A table constructed at the LancerTek camp is being donated to the March silent auction which will take place at the FMA Annual Meeting in New Orleans. FMA members will get an up close and personal look at the types of projects that are created at summer camps.



Fabricators & Manufacturers Association, International®

ANNUAL MEETING

MARCH 8-10, 2017

The Ritz-Carlton, New Orleans

Donate a Big Item in the Big Easy!

Consider donating an item to the **NBT Silent Auction** at the FMA Annual Meeting. Contributing is an excellent way to promote your company and support a great cause. Proceeds can be directed to your choice of funds to benefit an NBT program.

Contact Diane Engel at dianee@fmanet.org for more silent auction information.



#Give2NBT Campaign Supports Summer Manufacturing Camps for Kids

In the last newsletter, you saw how donations to the foundation help award scholarship winners pursue careers in manufacturing and a peek into a few camps that take place over the summer. This year's **#GivingTuesday** campaign supports the summer camp program.

Do you want to "give back" but just don't know where your donation can have the greatest impact? Consider supporting this campaign and know that your donations go to work by addressing the skilled labor shortage, inspiring students to find their passion through innovation and discovery, and help your industry and business thrive by piquing the interest of the future workforce.

NBT supported 39 camps in 2016 and with your help there will be even more in 2017!

You Can Join a Team or Start Your Own

Now through the end of the year, donate online to the **#Give2NBT** Summer Manufacturing Camps for Kids campaign. Join an existing team or start your own to raise as many donations as you can by Dec. 31, 2016. If your team raises \$2,500 or more, the team will become a camp "sponsor" and your team name will be featured on the camp shirts.

Share, tweet, post, email, and talk about how important it is to show our younger generation the exciting advances in manufacturing. PLUS—follow NBT on Twitter and Facebook for additional contests and prizes! crowdrise.com/nutsandbolts



MATCHING GIFTS MAKE SENSE

Every year, billions of dollars in workplace matching funds go unclaimed. The company you work for may be one of

those companies with an under-utilized matching program. NBT asks you to consider researching if your company has such a program in order to support the mission of NBT.



NBT was one of the fortunate non-profit recipients of the proceeds from the second annual Manufacturing 5K Run,

Walk, Paddle for Education on Oct. 22 in Safety Harbor, Fla. hosted by MasterCut Tool Corp. A donation of \$7,300 will support the manufacturing camp programs in the Tampa Bay area. The FLATE Engineering & Technology Camp in the Tampa area exposes area students to advances in manufacturing.

A great time was had by all participating and sponsoring the fun events which raised donations for educating the future manufacturing workforce. For more photos of this event, go to mastercuttool.com/community.



To learn more about hosting an event in your area, visit the NBT website:



nbtfoundation.org → WAYS TO GIVE ↓
FUNDRAISING EVENTS

