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SCHOLARSHIP

Martha Maxwell Scholarship
Applications now accepted through October 15, 2018

Open to all eligible applicants attending accredited colleges with engineering degrees in Wisconsin and Upper Peninsula of Michigan. SWE membership is encouraged but not required to apply.

For more information, go to our website:
www.swewisconsin.com/pages/Outreach/CollegiateScholarships.html

Any questions, please contact Gina Janke, SWE-WI Scholarship Chair, SWE-WI_Scholarship@swe.org
PRESIDENT’S WELCOME

Welcome to a new SWE year! We have a lot of fun events planned right at the beginning of the year so we hope to see you there! I have continued to be in SWE because of the networking, professional development, and support from other women. It is nice to have others to talk about struggles and successes with. I hope that others will find the same support I have through this section. The WE18 Conference is fast approaching and very close to us this year in Minneapolis on October 18-20, so I hope to see a lot of you there. There is still time to sign up, and look for the survey for carpooling. There are still some leadership positions available if you are interested, we will have those advertised. We have some events with the collegiate sections planned as well. There are also a lot of fun outreach events to be involved with and we are planning to do more professional development and mentoring this year. So read the weekly emails and check out the Facebook page (https://www.facebook.com/groups/swewisconsin/) to know about all the fun events and activities this year and I hope to see you at some of them!

-Andie Falasco
WE 2018 CONFERENCE

WE18 - Carpooling and More!
WE18 is fast approaching and we would like to know who is attending! We also will be putting carpooling together to make it easier for everyone to get to the conference. Please fill out this survey https://www.surveymonkey.com/r/8S52YZN to let us know your contact info, transportation preferences, and if you need a room or a roommate. Please fill this out even if you do not need transportation, we want to know about how many people will be attending from the section. If you have any questions, please let Andie know at awfalasco@gmail.com.
DIVERSITY AND INCLUSION

SWE created ‘Inclusion Solutions: Discussing a Diverse Culture is in the Cards’ training cards set. Each issue of the newsletter we will be showcasing one of these cards to help the diversity and inclusion discussion within SWE-WI.

First we ask you to think about these questions:

- How do you feel when you hear the terms diversity and inclusion?
- How do you define diversity?
- How do you define inclusion?
- How are the two terms similar and different for you?
- Describe the term biases.

Second some definitions:

**Diversity:** The understanding that each individual is unique; recognizing individual differences. These can be along the dimensions of race, ethnicity, gender, sexual orientation, socio-economic status, age, physical abilities, religious beliefs, political beliefs, or other ideologies.

**Inclusion:** A state of being valued, respected, and supported; focusing on the needs of every individual and ensuring the right conditions are in place for each person to achieve full potential.

**Bias:** The fundamental way (positive or negative) an individual looks at or encounters a situation or circumstance to make sense of it; a conscious or unconscious belief.

Now for the fourth card in the series:
Is being perceived as “leadership material” essential to being promoted into leadership positions?
So what can we do to demonstrate leadership material, without compromising our authentic selves?

After reading this, reflect on the first questions asked. Did any of your answers change?
Take this discussion with you, and consider what it means for you in your current career.

Special thanks to SWE for creating these cards and to Lessons Learned Consulting Inc. for printing them. We ask that you do not re-purpose the information and/or send it to anyone outside of the SWE section.

If you have additional questions, please reach out to: learning@swe.org

This video gives more information about the card and how they can be used.

https://www.youtube.com/watch?v=vbg__T6hwk

This card set is available for purchase from the SWE store at the following link. The version highlighted here is the ’SWE Inclusion Solutions Cards.’

http://societyofwomenengineers.swe.org/page/5318-sweswag
**UPCOMING EVENTS**

**SWE-WI Epic Tour and Krav Maga Class**

**Epic Tour and Krav Maga Lesson - Madison Area**

We will be touring the Epic facility, and then we will be taking a Krav Maga Self Defense Class.

Epic – In a nutshell: Founded in a basement in 1979 with 1 ½ employees, Epic develops software to help people get well, help people stay well, and help future generations be healthier. For more information about Epic you can visit the ‘About Us’ page of their website [https://www.epic.com/about](https://www.epic.com/about).

SWE-WI is hosting a one hour self-defense class in Madison with [Badger Krav Maga](https://www.badgerkravmagawisconsin.com/). The topics for the seminar will cover: Basic Strikes, defense against arm grabs, defense against hair pull, and choke from the front against/pinned to the wall defense. All skill levels are welcome to attend and modifications will be provided for those with mobility/health limitations. Have you ever thought about taking a self-defense class?

Please follow the link below to register for the Krav class so the waiver information can be filled out.

[https://badgerkrav.pushpress.com/open/event/cal_c1f6820782f69e69e](https://badgerkrav.pushpress.com/open/event/cal_c1f6820782f69e69e)

**Date:** Saturday Sept. 8, 2018  
**Epic Tour:** 10-11:30am  
**Krav Class Time:** 2-4pm  
**Contact:** Michele Gagas, [michelegagas@yahoo.com](mailto:michelegagas@yahoo.com)  
**RSVP:** please let Michele know if you want to attend the tour and fill out the registration for the Krav Class

Epic is located at:  
1979 Milky Way  
Verona, WI  
Krav Class is located at:  
GYM - Maple Bluff Rec Center  
18 Oxford Place  
Madison WI, 53704  
608-618-5728
UPCOMING EVENTS

Doors Open Milwaukee – Sept. 22, 2018

Doors Open Milwaukee - Milwaukee Area

Join SWE-WI for a day in for Doors Open Milwaukee (http://www.doorsopenmilwaukee.org/) where more than 170 buildings in Milwaukee’s downtown and neighborhoods are open to the public for special behind the scenes tours. We will have our SWE event on Saturday, September 22 at 11:30 starting at the David Burnett Gallery at 1024 E. State Street (http://www.doorsopenmilwaukee.org/buildings/david-barnett-gallery-2/) and walk to a few other places from there. We will have the option to stop for food. Please contact Michal Riege (mriege@wi.rr.com) if you have any questions. This is a great event and hope to see you there!
OUTREACH

Would you be interested in working with a Girl Scout Troop and introducing a girl to engineering? The Girl Scouts have introduced new engineering and STEM badges and troops are looking for engineers who would be willing to help them earn these badges. For information on how to be involved, project ideas, and how to find a troop contact sweioutreach@swe.org

If you have been involved in an outreach event since July 2018 and are a SWE member, send information about the event to Heidi Balestrieri at sweioutreach@swe.org so we can report the information in the SWE outreach tool. Information needed for the report: event name, date, all SWE sections that were involved, description of event, breakdown of girls and boys who participated, age of students, number of adult guests, number of SWE member volunteers, number of other volunteers, any partner organizations involved, or any other information to share.

ASCE’s STEM Expo Planning Committee Representative

SWE-WI is looking for a volunteer to be our representative on American Society of Civil Engineers’ (ASCE) STEM Expo planning committee. Commitment is to attend monthly meetings, help with the planning, preparation for this Saturday event in November. Please contact hbison01@yahoo.com for more information.

Up Coming OUTREACH Events!!!

Fall Events

October 20, 2018 Girls Excelling in Math and Science (GEMS) UW-Fox Valley – Looking for volunteers to run workshops for middle school girls. Activity and supplies provided, contact swewioutreach@swe.org if interested or for more information.

November 3, 2018 STEM Expo at MSOE - SWE will be hosting a booth with hands-on engineering activities for all ages. (Watch e-blast for sign-up information.)
Recent OUTREACH Events!!!

Banting Elementary Math-In Day

SWE-WI volunteered at Banting Elementary in Waukesha, WI during their Math-in day. The school spent the day doing math and engineering related activities to show elementary students the importance of math in their daily lives and in future careers like engineering. Five SWE volunteers spent time in nine classrooms (kindergarten, first grade, fourth grade and fifth grade). With each class, SWE volunteers talked about truss bridges and showed how triangles are stronger than squares. Students in small groups were asked to design a bridge made from 20 drinking straws and masking tape to span the Fox River and to hold cars and people. Volunteers coached groups as they brainstormed designs on paper. Once groups had decided on a design, they started building their designs with the limited materials. After their bridges were complete, students tested their designs to see if it would span the river model and placing load (washers) on the bridge. We focused on counting by 10s with the younger students by adding washers in groups of 10 to test the bridge. The older students considered geometry (triangles vs. squares) and design parameters related to measurement (the distance spanned was 10”, the straws were not 10 inches long). SWE members interacting with students gave students real-life examples of how engineers use math and creativity and introduced female engineering role models that they can aspire too. Thank you to the amazing volunteers for sharing their time and love of engineering (and math) with elementary students: Becca Wollenzien, Emily Ballweg, Emily Ralph, Heidi Balestrieri and Kathy Sheibe-Powell. Pictures are on the next page!
The Gear
SWENext Membership – General Information

SWENext is a way to become part of the Society of Women Engineers as a student through the age of 18. Become part of SWE and #BeThatEngineer! Joining is free. Any student 13 or older can become a SWENexter. For those younger than 13, a parent will need to be the primary contact.

General SWENext Websites

◊ Visit our main SWENext website:
  http://societyofwomenengineers.swe.org/swenext

◊ Read our comic book series all about engineering Constance and Nano:
  https://constanceandnano.swe.org/

◊ Connect with SWE members and other SWENexters through our SWENext Clubs:
  http://societyofwomenengineers.swe.org/swenext-clubs

◊ Watch our SWENext Reporter’s videos:
  https://www.youtube.com/playlist?list=PLYvUdOKoCBdchedo5w20uh9wuXH_RRQNo7

◊ Find out more about our awards programs for high school students:
  http://societyofwomenengineers.swe.org/k-12-outreach/swenext-awards

General SWENext DesignLab Social Media

◊ Twitter@SWENext

◊ Facebook (exclusively for high school SWENexters)

◊ #SWENext

◊ #BeThatEngineer

Thanks for helping us get the word out!
Please send all SWENext queries to outreach@swe.org.
## Job Postings

### Current Job Postings:
Rockwell Automation – 1 Position for Quality Engineer 74846BR. See full posting on page 10.

### Helpful Job Sites:
To stay updated on new job opportunities, checkout SWE e-blasts, or these websites!

### SWE Professional Virtual Career Fair:
Looking for a new opportunity? Check out SWE’s virtual career fair May 9th 2018 where you can connect with multiple recruiters in a convenient way. More details can be found on the event website:  [https://app.brazenconnect.com/events/X1pmM?utm](https://app.brazenconnect.com/events/X1pmM?utm)
Job Posting – Rockwell Automation

Quality Engineer

United States

Position Summary

The Quality Engineer develops, evaluates, revises and applies technical quality protocols/methods to inspect, test and evaluate raw material, in-process materials and finished products. Ensures compliance with internal and external specifications and standards such as ISO regulations. Ensures that established manufacturing and process control procedures are followed.

ESSENTIAL FUNCTIONS:

- Ensure raw material and finished goods meet defined acceptance criteria
- Assist operations in continuous improvement by establishing, monitoring and driving improvements to key process indicators such as Defects per Unit through MAAR charts and use of quick problem solving
- Perform process, product and data analysis to develop continuous improvement plans, corrective and preventive actions
- Perform, document and communicate audits of the systems, materials and personnel in the factory with regard to all quality requirements
- Support manufacturing when quality issues are identified through investigation, analysis and escalation as needed to resolve the issue
- Review manufacturing documentation and make improvement recommendations to the document owner. This includes changes in Workmanship Standards from technology updates or shop floor feedback
- Maintain a customer focused approach in all decisions
- Lead containment, root cause and corrective action activities (8D)
- Lead quality certification audits (ie ISO9001:2015)
- Interface with supervisors/associates, Industrialization and ME process engineers to develop processes and procedures that meet the requirement of the technology/products/processes
- Lead discussions and reviews with leadership and external support organization as needed
- Document processes with the help of industrialization, ME techs and Manufacturing Process Engineers to transfer the information consistently to the operators
- Encourage and promote the importance of process and quality adherence
- Identify, track and take actions to improve key process indicator metrics
- Provide accurate visual aid documentation that allows for successful assembly in a timely manner
- Develop training to include support functions and lessons learned
Quality Engineer (continued)

- Other projects as assigned

EOE, M/F/Disable, Vet
#LI-KO1

Minimum Qualifications

- Four year college degree required.
- 2 years related experience in ISO or Quality.
- Quality certification and/or lean six sigma training
- Legal authorization to work in the US is required. We will not sponsor individuals for employment visas, now or in the future, for this job opening.

Requisition Number: 74846BR

Business Group: Operations & Engineering Services

Job Category: Engineering and Technicians

Relocation Eligible: Yes

Position Type: Full Time

No. of Positions: 1

Work State/City: Richland Center - Wisconsin

Company Overview

Rockwell Automation, the world’s largest company dedicated to industrial automation, makes its customers more productive and the world more sustainable. Throughout the world, our flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

When you choose Rockwell Automation, you join countless talented employees who have helped us establish our leadership position in the automation industry over the past century.

You join a diverse, inclusive and global community with a passion for innovation. A place where you can partner with great minds and inspiring people. And a corporation backed by the financial strength that drives growth – and career opportunities.

As much as we focus on our customers, we know our employees are key to our success and future. Helping you develop a rewarding career is a top priority. Because when you succeed, we succeed.

EEO Statement

Rockwell Automation is an Equal Opportunity/Affirmative Action employer.

If you are an individual with a disability and you need assistance or an accommodation during the application process, email our Talent Acquisition representative at RAAApplicationsupport@ra.rockwell.com.
As you may know, this last year we awarded 2 scholarships to female engineering students attending colleges in the Wisconsin-Upper Michigan area.

Your SWE-WI Scholarship team wants to keep this tradition going. Currently, SWE-Wi has an endowed scholarship for 1-$1000 scholarship each year, but we would like to raise additional funds to allow for 1 or 2 additional $1000 scholarships.

Our next application period is coming soon so we hope to get additional funds by October 31, 2018. We have $860 toward the next $1000 so we are close.

Online donations are accepted at [http://www.swewisconsin.com/pages/Support/Scholarship.html](http://www.swewisconsin.com/pages/Support/Scholarship.html) or contact the Scholarship Committee at SWE-WI_Scholarship@swe.org

Thanks again for your support!
SWE NEWS

SWE Elections

Your elected leadership for this year are:

President: Andie Falasco
Vice President: Lindy Couwenhoven
Secretary: Adrianne Light
Treasurer: Andrea Cole Fyhrlund

Congratulations to the elected officers and we look forward to this next year!

The leadership positions and structure is going to change slightly in the next year and there are still a few unfilled positions. Please let Andie (awfalasco@gmail.com) know if you are interested in any of the following.

**Professional Development Chair** – Makes events in the three areas for professional development topics. Works with the LCC on what topics would be beneficial.

**Liaison to Counselors** – Works with the counselors and communicates to the collegiates.

**Collegiate-Professional Event** – Plans event for networking with collegiates and professional members.

**Milwaukee Outreach Planner** – Plans and volunteers with Milwaukee outreach events.

**Fox Cities Outreach Planner** – Plans and volunteers with Fox Cities outreach events.

**Public Relations Chair** – Screens emails from companies about participation and questions.

**Section Assessment Chair** – Makes a report at the end of the year for how the section is doing financially and a vitality assessment through the society.

**Celebrate SWE Event Planner** – Plans end of year celebration.

**WE18 Coordinator** – Plan and communicate meet-ups at WE18 in Minneapolis for the section.
Website and email postings may be covered by a set fee instead of the Corporate Supporter option. An individual posting to the website and an email message to all SWE-WI members is $50. The website posting will remain in place for a 30-day period.

Postings to the website are generally completed in 3 to 7 business days after the request has been confirmed. An email notice to SWE-WI members and subscribers will follow a website posting with the same information. Requests for a large number of postings at one time may take longer to prepare and post.

The preferred format for postings is Microsoft Word (version 2003 or higher); other text formats will be considered on an individual basis. Postings will remain on the SWE-WI website for a 30-day period. If the posting is for a job and it has not been filled in that 30-day period, a Corporate Supporter can request a 30-day extension via email. Please put “SWE-WI Newsletter Entry” in the subject line.

Send us your stories! We want to see what our professional and collegiate members are doing in the community! We are looking for events that SWE has hosted, job posting, member milestones, interesting articles or books that you would like to share with others, truly a multitude of topics. If you have something you want to see in the newsletter and share with everyone please send the information listed below to SamanthaBilletdeaux@gmail.com or michelegagas@yahoo.com, with the subject of “SWE Newsletter Entry”.

Name:
Date of Event:
Event Title:
Brief Description of the Event:
Pictures of Event
Section Title (if applicable)
Contact Email