



Members At Large

FY19 Newsletter, Issue 1

INSIDE THIS ISSUE:

President's Corner	1
Meet the FY19 MAL Leadership Team!	2
Call for MAL Nominees for New Faces of Engineering and the Manufacturing Institute's STEP Ahead Award	7
SWE Governance and MAL Bylaws Update	8
Outreach!	10
MAL Leadership Contacts	11
Find us on Social Media	12
Help Wanted!	12
MAL Calendar	12

President's Corner

Hello Members at Large,

Welcome to FY19! I am excited to be back serving the MALs this year as president, continuing to work with our exceptional group of MAL leaders. Joining me this year on the executive committee are Vice President Erin Culver, Secretary Samantha Krostue, and Treasurer Claire Shortall. Read on in these pages to find out more about your FY19 MAL leaders. Most of these leaders are returning from last fiscal year, as the MALs navigated bylaws changes and an organization restructure. As we push through these changes this year, be sure to follow the updates on the MAL website, as well as those distributed by email. Our representatives this year will help us navigate the transition into a new structure. Please feel free to reach out to any of us on the leadership team for questions or feedback in this process!

WE18 is just around the corner, to be held this year in Minneapolis, MN. Make your travel plans soon if you haven't already! We will be holding both a MAL Summit and MAL meeting this year, providing one way to connect (or reconnect) with other MALs. We hope to see you there!

Wishing you a happy and productive FY19!

Emily Ongstad
SWE FY19 MAL President
emily.ongstad@gmail.com



Meet the FY19 MAL Leadership Team!

MAL Officers

President—Emily Ongstad

Emily has been a MAL since 2012, and served as the MAL Newsletter editor from FY14-FY17. She served as MAL Secretary in FY16, as Vice President in FY17, and as President in FY18. Emily was recognized by the Outstanding MAL Leader Award in FY14 and FY15 for exceptional contributions to the MAL organization. Emily earned her Bachelor's in Biomedical Engineering from Michigan Technological University where she was an active member of the SWE collegiate section. Here she served as Vice President (2008), Evening With Industry Chair (2006-2008), and Newsletter Editor (2007-2008). Emily received her PhD in Bioengineering from Clemson University in December 2015. She is now developing biologic drugs for cardiovascular disease and diabetes at MedImmune-AstraZeneca in Gaithersburg, MD. Her passion is improving treatment outcomes for patients by engineering better therapies. Outside of labwork and SWE, Emily enjoys being outdoors.

Vice President—Erin Culver

Erin Culver is currently a Quality Assurance Engineer for BWX Technologies, Inc. in Mt. Vernon, Indiana. Since her graduation from Southern Methodist University with a Mechanical Engineering degree, Erin

has worked for BWXT in a number of roles including developing a ISO compliant quality system, creation of a supplier oversight program, and implementing a facility wide metric system that tracks key performance indicators across all departments. As an active member of the Society of Women Engineers, Erin currently serves as the MAL Vice President, as well as a member of the society finance committee. She has previously been involved in the Northeastern Ohio Section as President and Section Representative. Erin is also active in community service, most recently working with the Junior League of Evansville supporting local charities as well as with the Leukemia and Lymphoma Societies Light the Night Campaign, where her family team has raised over \$5000 in the past three years.

Treasurer—Claire Shortall

Claire Shortall (MAL-C; Pineville, LA) joined SWE as a freshman and is a charter member and past president of three sections – Princeton University, Louisiana (now Baton Rouge), and Greater New Orleans. She led Region C during the Society's transition to regions and has been a MAL since relocating to central Louisiana from Houston Area in 1986. Her wealth of experience includes three years as Society treasurer, three years on the board

(Continued on page 3)

(Continued from page 2)

of trustees, and many years on various Society committees, including finance, bylaws, membership, and awards & recognition. In her roles as MAL membership coordinator and the Society's new professional section coordinator, she has provided guidance to other members who successfully organized more than 35 professional sections. A life member since 1983, Claire was recognized as a Distinguished New Engineer in 1984, as a Fellow in 1995, and as a recipient of the Society's inaugural Distinguished Service Award in 2000.

Secretary—Samantha Krostue

Samantha has been a SWE member since August 2004 and during that time she has been a collegiate and professional member. As a collegiate member she held multiple office positions including historian, mentor chair, outreach chair, and President. During her professional membership she has volunteered at multiple events for the SWE-MN and SWE-DC professional sections. In FY19 she will serve as the University of North Dakota SWE section counselor.

MAL Representatives

Lorna Holt

Lorna Holt works in the natural gas industry in measurement, regulation and controls in gas engineering and is currently transitioning her career to be more involved in renewable energy technology.

Lorna is a FY18 MAL representative and previously served as the MAL Region B representative for FY 17. Originally from the Republic of Panama, Lorna also grew up in both Southern and Northern California. She was a member of SWE's former Region E in

Upstate New York and rejoined SWE in the Sonora Region B in 2004 and most recently rejoined SWE as a MAL in 2014.

Lorna obtained a MBA from the University of Redlands in December 2015, and completed a certificate program in energy innovation & emerging technologies from the Stanford Center for Professional Development. She studied engineering physics with an emphasis on biophysics and holds a BS in biological and environmental engineering from Cornell University.

Victoria Tinsley

Victoria graduated from Texas A&M University with a B.S. in Chemical Engineering and a minor in French. She started her career at Eastman Chemical Company as a process improvement engineer. In 2008 she accepted a process engineer position with TOTAL Petrochemicals and Refining USA, Inc (TPRI) in Houston. Victoria is now a senior technical service engineer with TPRI's Polymers Americas Group. She provides technical expertise and leads troubleshooting efforts for customers using TPRI's polymer products (polyethylene and polypropylene). Victoria joined SWE in college and has been actively involved in SWE leadership positions ever since, including being the C049 COR Representative, a SWE counselor, and a member of national committees. She is currently the Region C MAL Rep and the Region C Treasurer. Victoria also enjoys volunteering with a number of community service organizations. Victoria and her husband Gavan love the wonderful, crazy adventure that their life has become since the arrival of their baby boy in August 2016.

Jennifer Cooper

Jennifer Seals Cooper lives in North Alabama and works for a Houston based engineering

(Continued from page 3)

consulting firm RCP Inc. providing engineering support to the energy industry with an emphasis on regulatory compliance. She earned her Bachelor's degree in Mechanical and Industrial Engineering in 2009 from the University of Tennessee- Martin and a Masters of Science degrees in Engineering Management and Environmental Engineering from the Missouri University of Science and Technology in 2014 and 2016 respectively. Jennifer has been an active participant in Society of Women Engineers since her days as a student member at UT-Martin. She was active professional volunteer in the Rocky Mountain Section as Region Section Representative and Membership Committee Chair. Since moving from the Denver area, Jennifer has been active with SWE's Program Development Grant Committee including chairing the committee. Jennifer has most recently served as Region D MAL representative in FY17 and MAL Website/Social Media Coordinator.

Beth Mellott

Beth Mellott currently works for Booz Allen Hamilton. Her undergraduate degree is in Computer Engineering from Virginia Tech. She also has a Master of Arts in Education in Instruction and Curriculum with an emphasis in Instructional Technologies. Beth lives near Charlottesville, VA with her husband and three kids. Beth is also involved in Girl Scouts and enjoys doing parent engagement talks on engineering in the area.

Brianna Sporbert

Brianna works as the Senior Director of Services at Boyd Technologies.

Brianna loves connecting with people and experiencing new opportunities that will help her grow both personally and professionally. During her undergraduate years Brianna was a part of here universities SWE organization, but briefly lost connection after graduating from Western New England University. 2016 was Brianna's first year back in the organization, where she served as the Region F representative for the Member At Large Section.

Alicia Anderson

Ali joined SWE at West Virginia University in 2012. In 2013 Ali was elected Social Chair where she collaborated with the Professional Development Chair to host an etiquette dinner, in addition to planning other fun events throughout the academic year. In 2014 WVU was selected to host the 2015 Region G conference. As Conference Chair, Ali coordinated travel for 9 members to attend the Societal Conference in Los Angeles, lead a committee of 20 members, recruited speakers for 20 sessions, coordinated registration for 300 attendees, and maintained communication with all 38 sections. Ali entered graduate school in 2015 where she assumed the role of Region G MAL Representative. She attended the MAL events at WE15, WE16, and WE17, and has encouraged members to get more involved in outreach events in their local areas. Ali received the Region G Advancing Leader award and MAL Outreach award in 2017.

Rebecca Reck

Rebecca M. Reck is an Assistant Professor of Mechanical Engineering at

(Continued on page 5)

(Continued from page 4)

Kettering University in Flint, Michigan. Currently, she is the Counselor for the SWE sections at Kettering, Region H MAL Rep, and WIA Committee Chair-Elect. In 2016, she received a Ph.D. in systems engineering at the University of Illinois at Urbana-Champaign. While at Illinois, she served on the GradSWE at Illinois committee. She completed her master's degree in electrical engineering at Iowa State University in 2010. During her eight years at Rockwell Collins as a systems engineer, she contributed to the development of the new flight control system and served as the project lead for two aircraft. While in Iowa, she served as the communications chair of the East Central Iowa section for a year and then she served as section representative for two years. She earned a bachelor's degree in electrical engineering from Rose-Hulman Institute of Technology in 2005.

Christi Luks

Christi has a BSChE from Texas A&M, and an MS Appl Math & PhD ChE from The University of Tulsa (TU). Christi began her career at Stauffer Chemical Company in Baton Rouge, LA and worked as a consultant for Amoco in Tulsa, OK. Since 2014, she has been Associate Teaching Professor at Missouri University of Science & Technology (MST) in Rolla, MO after 20 years teaching at TU.

Christi Luks has been active in SWE on a local level throughout her career. She served as faculty advisor for the TU SWE chapter and received multiple awards on campus for her work with the SWE chapter. At MST, she is working with the student chapter to develop a new outreach event for middle school girls later this year. In her professional SWE activities, after being a MAL for years in Tulsa, she helped to form the Northeast Oklahoma SWE section and served as their first treasurer and also their 2014-15 treasurer. She has returned to MAL status due to a move to central Missouri. She has

served on the board of directors of ASEE, and has been very involved in AIChE with a particular focus on women's initiatives and global societal impact efforts.

Mackenzie Gorham

Mackenzie Gorham has been a SWE member since college, and was partially supported during college with a SWE scholarship. Ms. Gorham completed a B.S. and M.S. in nuclear engineering, as well as an M.S. in environmental science. She has been a nuclear engineer for the Department of Energy at Idaho National Laboratory for 7 years.

MAL Alternate Representatives

Mary Bonk Isaac

Dr. Mary Isaac earned her Ph.D. in 2015 at Old Dominion University (VA) in Occupational and Technical Studies after 30 years in the energy business. She also has a Master's of Arts in Teaching (MAT) Technology Education from North Carolina A & T, in addition to a BS in mechanical engineering from Union College (NY), and is credentialed to teach industrial arts and technology in California.

She has been a member of SWE since 1986, has served at the MAL level in the past as VP (FY12) and region representative several times since 1991. She was on the Advocacy Advisory Board of SWE, was Outreach committee chair from 2010-13, Program Development Grant chair from 2014-2017 and has been a leader in the delivery of the annual Invent it. Build it. outreach event at conference since 2009. She is also a Fellow and Life Member of SWE.

Claire Shortall

See Treasurer bio.

(Continued on page 6)

(Continued from page 5)

Anne Lucietto

Dr. Lucietto is a SWE Fellow for many years, has served as the National Treasurer, and a variety of other local, regional, and national positions. Currently, she is an Assistant Professor of mechanical engineering technology at Purdue University in West Lafayette, IN.

MAL Committee Chairs/ Coordinators

Awards Chair—Beth Posey-Leonhard

Beth Posey-Leonhard is a Fellow and Life Member of the Society of Women Engineers and is the Technical Leader at the Fairburn, GA plant for Owens Corning. Posey-Leonhard began her 35 years with SWE when she joined as an associate member. She quickly began serving SWE in many leadership roles at local, regional and national levels including Region D Director on the Board of Directors. In 2001 she worked on the Society Board of Directors Transition Team and served on the Council of Representatives. She has been a MAL for over 20 years, serving as MAL President, MAL representative, and currently MAL LCC coach. Additionally, she served as Award Coordinator for the SWE Upward Mobility Award and a judge for Fellow Grade. Posey-Leonhard has

her BA in Mathematics from Hendrix College and her Masters in Operations Research / Mathematical Science from Clemson University.

Financial Assessment Chair—Stacey Culver

Stacey Culver is a SWE Fellow and Life member and has served in various capacities at the section, region and society levels. She currently serves as the Society's Audit Chair and has served as the MAL Awards Chair.

Membership Coordinator—Claire Shortall

See Treasurer bio.

Newsletter Editor—Jacquelyn Nagel

Dr. Jacquelyn K. Nagel is an Assistant Professor of Engineering at James Madison University. She is the faculty advisor for the James Madison University SWE collegiate section and a dedicated SWE leader. In 2012, she was recognized by the National eWeek Foundation and IEEE-USA as one of the New Faces of Engineering for her pioneering work in using biological systems as models for sensors, instrumentation and processes. Her research focuses on the application and teaching of bio-inspired design. Jacquelyn earned her Ph.D. from Oregon State University, and her M.S. and B.S. from Missouri University of Science & Technology.

(Continued on page 7)

(Continued from page 6)

Outreach Coordinator—Samantha Krostue

See Secretary bio.

Website/Social Media Coordinator—Jennifer Cooper

See MAL Representative bio.

Call for MAL Nominees for New Faces of Engineering and the Manufacturing Institute's STEP Ahead Award

Several MALs have been recognized by the New Faces of Engineering program and the Manufacturing Institute's STEP Ahead award. Suggestions for MALs to be considered by the MAL organization as SWE's nominees should be submitted to the MAL Awards Chair as soon as possible.

also very desirable. Complete information will be available on the SWE website in late September. To learn more about this award, go to <http://societyofwomenengineers.swe.org/awards/external-awards>



New Faces Of Engineering Award

The New Faces of Engineering program highlights the accomplishments of young engineers and the impact their work has on society. The goal of the program is to stimulate and encourage students to explore the wide variety of engineering career options. The criteria for this year's nominations are not available yet but will be similar to last year's criteria. Candidates must be a SWE member in good standing, age 30 or less as of December 31, 2017 and have an engineering degree from a recognized US college of engineering or an equivalent international engineering institute. A key component for selection is how the engineering work has affected society for the better. Participation and leadership in SWE is

The Manufacturing Institute's STEP Ahead Award

The Manufacturing Institute's 2018 STEP Ahead award nominations are now open but will close September 29. The STEP Ahead Awards honor women who have demonstrated excellence and leadership in their careers and represent all levels of the manufacturing industry, from the factory floor to the C-suite. The STEP Ahead Awards are part of the larger STEP Ahead initiative, launched by the Manufacturing Institute to examine and promote the role of women in the manufacturing industry through recognition, research and leadership for attracting, advancing and retaining strong female talent. To learn more about this award, go to www.themanufacturinginstitute.org/women.

SWE Governance and MAL Bylaws Update

With the dissolution of regions, the MALs must alter their structure, as our council is currently based on regions. The proposed MAL bylaws edits can be reviewed using [this link](#).

If you have any comments or questions, please direct them to the MAL President.

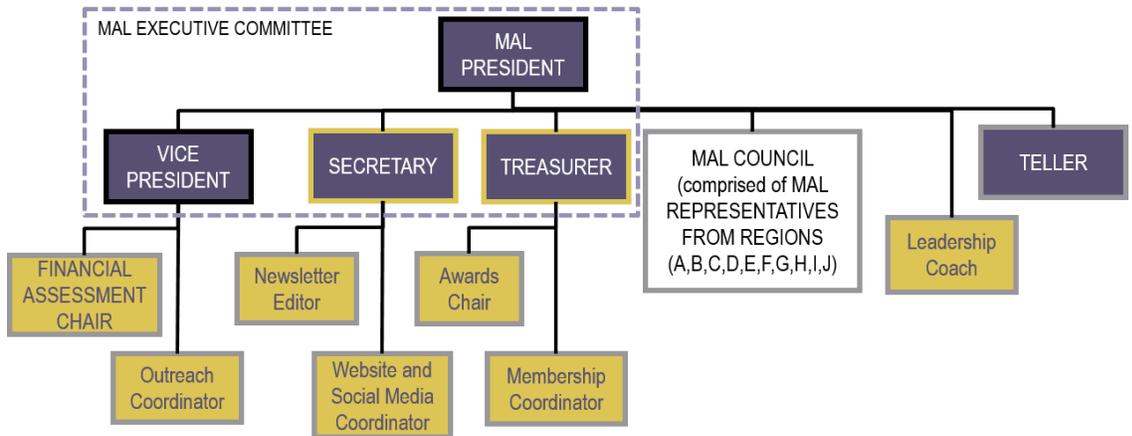
Why is an amendment of the MAL bylaws required?

The senate voted to dissolve regions in October 2017. Since the MAL council structure is based on electing representatives from each of those regions, the MAL bylaws must be amended to reflect that change. See governance.swe.org for more details.

What are the major changes to the MAL leadership structure in the new bylaws?

The MAL council is dissolved and representative positions are eliminated. The MAL executive committee and MAL council are replaced by the MAL executive council as the voting and strategic body of the organization. Two director and two special director positions are added to the executive council to lead key functional areas. The functional areas, however, are not specifically designated, allowing flexibility as the organization changes.

Current MAL Leadership Structure



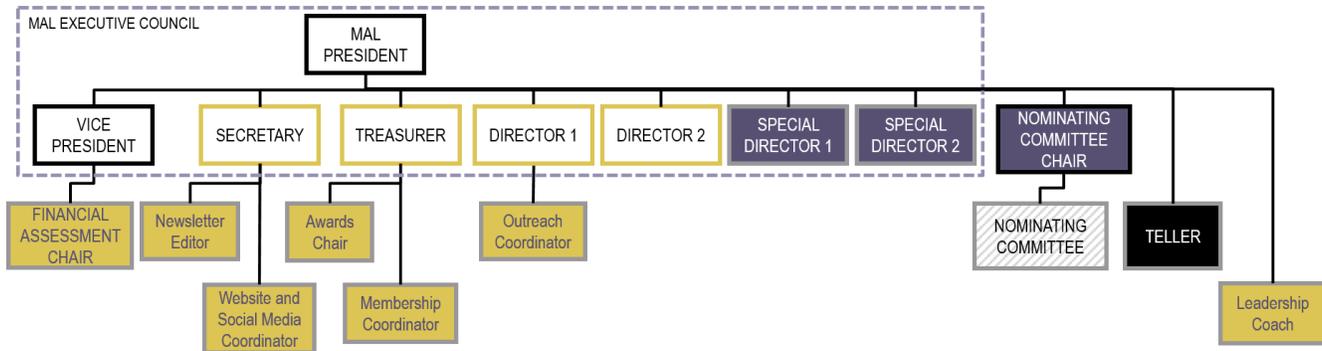
KEY

- CAPS – indicates position established in bylaws
- Fill color indicates mechanism of installation: Purple – Elected by MAL Council, Gold – Appointed by President with approval of Executive Committee, White - Elected by MAL members in each region
- Outline color indicates member eligibility: Black – Professional members; Gold – Professional members or collegiate members (with approval of EC) who qualify for professional membership; Grey – all MAL members
- Lines between boxes indicate reporting structure

(Continued on page 9)

(Continued from page 8)

Proposed MAL Leadership Structure



KEY

- CAPS – indicates position established in bylaws
- Fill color indicates mechanism of installation: White - Elected by MAL membership; Purple – Elected by MAL Executive Council, Gold – Appointed by President with approval of Executive Council, Black – selected by nominating committee; Grey hash – appointed by nominating committee chair
- Outline color indicates member eligibility: Black – Professional members; Gold – Professional members or collegiate members (with approval of EC) who qualify for professional membership; Grey – all MAL members
- Lines between boxes indicate reporting structure

A nominating committee is established to help in the election process, and all MAL members are responsible for electing the MAL officers and directors.

We anticipate the continuation of the work done by current committee chair/coordinator positions, as these are key functional areas of the MAL organization that provide value for our members. However, directors, instead of committee chairs, may be responsible for some of this work. As in the current bylaws, only the financial assessment committee is designated in the new bylaws and our bylaws give us the power to establish other committees as necessary for these and other functional areas important to our members.

How do these changes affect the function of the MAL organization?

We anticipate few changes to the way the MAL organization operates. The MAL executive council (new voting body) becomes smaller and absorbs duties of both the current MAL executive committee and MAL council (i.e. no functions are lost with this change). A MAL nominating committee is established to make the election process more robust and assist in the development of our leadership pipeline.

As we anticipate continuation of the current committee chair/coordinator positions, there should be no change in key functional areas (outreach, communications like newsletter and website and social media, awards, etc.).

MAL representative positions are eliminated, so the communication channels of the MAL organization will change. These duties will likely be absorbed by the president.

Can collegiates still hold MAL leadership positions?

Yes. Collegiates had the ability to be involved in MAL leadership in the past, and will in the new structure as well. Undergrad collegiates may hold most committee chair/coordinator positions, as well as special director positions. Graduate collegiates (typically members who do meet the

(Continued on page 10)

(Continued from page 9)

qualifications of a professional member) may hold any position except president, vice president, and nominating committee chair. A graduate collegiate who wants to hold the positions of secretary, treasurer, or director requires the approval of the executive council.

What other changes were made to the bylaws?

The remaining changes are relatively minor and include changes to the timing of elections, and changes to the way elections are performed. The MAL membership is now responsible for electing the members of the executive council; previously the MAL council elected the officers and representatives were elected by members of their region (or automatically elected if the slate was uncontested). If these bylaws are adopted by the MAL council, all MAL members will vote on future proposed amendments to the new bylaws; at present only the MAL council votes on proposed amendments

Outreach!

By Samantha Krostue, Outreach Chair

Welcome MALs to FY19!

The month of August is the time of the year that all kids and/or young adults are going back to school till May. I thought this would be a good opportunity to mention a little about SWEs K-12 Educator Membership where K-12 educators can help foster the next generation of engineers with resource from SWE. This membership comes with some amazing benefits which can be found by clicking the following link <http://societyofwomenengineers.swe.org/k-12-educator-membership>.

Do you need help funding your strategic outreach activities? Look no further then the Program

Development Grant that is offered by SWE. For more information click the following link <http://societyofwomenengineers.swe.org/program-development-grants>.

I wish everyone a awesome and productive FY19!



Source: <https://swe.calpoly.edu/give/outreach/high-school/swe-eety/>

MAL Leadership Contacts

MAL Officers		
President	Emily Ongstad	emily.ongstad@gmail.com
Vice President	Erin Culver	eaculver@gatheringwaters.com
Secretary	Samantha Krostue	krostues@gmail.com
Treasurer	Claire Shortall	claire.shortall@yahoo.com

MAL Representatives		
Lorna Holt		lornaholt@me.com
Victoria Tinsley		tori04@gmail.com
Jennifer Seals Cooper		jennifersealscooper@gmail.com
Beth Mellott		beth.mellott@gmail.com
Brianna Sporbert		bsporbert@boydtech.com
Ali Anderson		alianderson1121@gmail.com
Rebecca Reck		swe@rebeccaee.com
Christi Patton Luks		luksc@mst.edu
Mackenzie Gorham		sweemack@isu.edu

MAL Alternate Representatives		
Mary Bonk Isaac		mbonkisaac@gmail.com
Claire Shortall		claire.shortall@yahoo.com
Anne Lucietto		aluciett@purdue.edu

MAL Committee Chairs/Coordinators		
Awards Chair	Beth Posey-Leonhard	bethpl07@gmail.com
Financial Assessment Chair	Stacey Culver	staceyc@gatheringwaters.com
Membership Coordinator	Claire Shortall	claire.shortall@yahoo.com
Newsletter Editor	Jacquelyn Nagel	Jacquelyn.kay.nagel@gmail.com
Outreach Coordinator	Samantha Krostue	krostues@gmail.com
Website/Social Media Coordinator	Jennifer Cooper	jennifersealscooper@gmail.com



Society of Women Engineers
Aspire / Advance / Achieve

Stay Connected!

As a MAL, it can be difficult to stay connected to SWE. Find us on facebook and through the SWE MAL website to stay in the know about MAL and the Society!

Help Wanted!

Newsletter Contributors: Looking for articles 200-1000 words to include in future newsletters. A broad range of possible topics include but are not limited to your local outreach events, career tips, leadership, mentoring in your workplace, etc. The MAL awards committee will select the best newsletter article award each fiscal year. Additionally, authors of all published articles are eligible for the newsletter contributor drawing. If you would like to contribute, please send your articles to our editor, [Jacquelyn Nagel](#). This is your newsletter!

MAL Calendar

Manufacturing Institute's STEP Ahead Award Nominations Due	October 5
WE18 Annual Conference for Women Engineers, Minneapolis, MN	October 18-20
MAL Summit	October 17
MAL Meeting	October 18
Awards Banquet	October 20
New Faces of Engineering Award Nominations Due	In November