






### The Complete Engineer Conference 2019

Friday, March 8, 2019

Time	Session Title	Location
11:45 AM	City/East Campus Only - Check-In for Shuttle	Othmer Hall
12:00 PM	City/East Campus Only - Shuttle Departs for Omaha	Othmer Hall to MBSC
1:00 PM	<p><b>All Students - Check In</b>  <i>Snacks &amp; Beverages</i>            Sponsored by Buildertrend</p>  <p><b>BUILDERTREND</b></p>	Milo Bail Student Center (MBSC)
2:00 PM	<p><b>Welcome Keynote</b>  <i>"Understanding Engineering Ethics"</i>            Nancy Pridal, PE, Env-SP            President, Lamp Rynearson</p>  <p><b>LAMP RYNEARSON</b></p>	MBSC Ballroom
3:00 PM	<p><b>Breakout 1</b>  <b>Self-Management and Service &amp; Civic Responsibility Focus - Choose One Workshop to Attend</b></p>	MBSC Breakout Rooms
4:00 PM	<p><b>Complete Engineer Mixer</b>  <i>Network with our conference sponsors to gain perspective on the importance of non-technical skills.</i>  <i>All conference sponsors listed on the website will be attending.</i></p>	MBSC
6:00 PM	City/East Campus Only - Board Shuttle for Lincoln	MBSC to Othmer Hall

Saturday, March 9, 2019

Time	Session Title	Location
8:00 AM	City/East Campus Only - Check-In for Shuttle	Othmer Hall
8:15 AM	City/East Campus Only - Shuttle Departs for Omaha	Othmer Hall to MBSC
9:00 AM	<p><b>All Students - Check In</b>  <i>Continental Breakfast &amp; Coffee</i>            Sponsored by Tabs3 Software</p>  <p><b>Reliable Software. Trusted Service.</b></p>	MBSC
10:00 AM	<p><b>Breakout 2</b>  <b>Intercultural Appreciation &amp; Engineering Ethics Focus - Choose One Workshop to Attend</b></p>	MBSC Breakout Rooms
11:00 AM	<p><b>Breakout 3</b>  <b>Leadership and Teamwork Focus - Choose One Workshop to Attend</b></p>	MBSC
12:00 PM	<p><b>Lunch &amp; Keynote</b>  <i>"Leadership is Not a Title"</i>            Jason Thiellen            CEO, E &amp; A Consulting Group, Inc.</p>  <p><b>Engineering Answers</b></p>	MBSC Ballroom
1:00 PM	<p><b>Breakout 4</b>  <b>Teamwork and Self-Management Focus - Choose One Workshop to Attend</b></p>	MBSC Breakout Rooms
2:00 PM	<p><b>Competition Activity</b>  <i>Intercultural Appreciation &amp; Ethics Focus</i></p>	MBSC Ballroom

4:00 PM	<p>Snacks &amp; Debrief Sponsored by U.S. Army Corps of Engineers</p>  <p><b>US Army Corps of Engineers®</b></p>	MBSC Ballroom
5:00 PM	City/East Campus Only - Board Shuttle for Lincoln	MBSC to Othmer Hall

*\*Times subject to change slightly until the schedule is finalized.*

### Scarlet Sponsors



### Cream Sponsors





## Breakout Workshop Descriptions

These 50-minute breakout sessions allow you to customize your conference experience. Choose one workshop to attend during each breakout time. Don't forget, you still can network with industry and sponsors during breaks and at the mixer!



### Breakout 1 – Friday, 3:00 PM

**Self-Management and Service & Civic Responsibility Focus – Choose one workshop to attend**

<b>301 Jenkins Room</b>	<b>The Burnout Epidemic: Maintaining Balance in the American Workplace</b> Engineers are expected to change the world, but the continually rising pressure on high-performing workers has pushed many to the brink of burnout. In this workshop, we'll dive into the causes of burnout and discuss how to manage your time at work effectively and efficiently, keep work at work, and invest your time and energy into your home life, all of which are critical to maintaining a healthy work-life balance and sustained, long-term career success.	 Brandon Pfeifer, Software Engineer 2015 Alum  <b>Garmin</b>
<b>304 Omaha Room</b>	<b>Your OWN Board of Directors</b> Board of Directors (BODs) play a key role in the success of any company. They oversee the main activities of a firm and provide advice to the management team. Individuals could also benefit from having their own BODs. This session will describe the benefits of having a personal BODs and will provide a 4-step process to develop one. Students will have the opportunity to practice the concepts learned in this workshop to start developing their own BODs.	 Andres Torres Business Director of the Caribbean, Latin America, and Mexico  <b>Valmont Industries, Inc.</b>
<b>306 Council Room</b>	<b>Engineering and Public Policy</b> "If you're not at the table, you're going to be on the menu." Engineers can use their knowledge and skills to have a positive impact on society through engagement in public policy. Currently, scientific and engineering principles are not widely understood by citizens and are not regularly considered in public policy creation. It is vital that engineers be involved in this process. In this session, students will learn the importance of good public policy, how to explore both sides of an issue and the role they can play in public policy decisions.	 Joe Flaxbeard, Project Manager, 2007 Alum Randy Kuszak, Project Manager, 2010 Alum Mike McMeekin, Chairman of the Board, 1974 Alum  <b>Lamp Rynearson</b>
<b>308 Gallery Room</b>	<b>Engineering, Environmental Regulations, and You!</b> How can engineering make the world a better place? How does landmark environmental legislation such as the Clean Water Act, Endangered Species Act or Superfund factor into the work of engineers? How do you know what environmental laws and regulations you might need to consider for a project? We will briefly discuss important environmental regulations to consider and how they can influence your work.	 Amy Cherko, Project Scientist, 2006 Alum Shannon DeVivo, Project Engineer, 2009 Alum  <b>Olsson</b>





**Breakout 2 – Saturday, 10:00 AM**

**Intercultural Appreciation and Engineering Ethics Focus – Choose one workshop to attend**

<p><b>301 Jenkins Room</b></p>	<p><b>Relocating for your Career: Are you ready for an adventure?</b> When considering career opportunities after graduation, it can be daunting to consider moving away from everything you know. This presentation will encourage you think outside of your comfort zone and consider the benefits of relocating for your career. There could be untapped opportunities that aren't considered when a job search is limited to one area. Come find out what adventures are right at your fingertips!</p>	 <p>Nathan Schlautman Implementation Consultant</p> <p>Christina Watkins Implementation Consultant</p> <p><b>Fast Enterprises</b></p>
<p><b>304 Omaha Room</b></p>	<p><b>So I'm Biased...Now What?</b> Every one of us is biased. Acknowledging and understanding these biases and where they come from is the first step to increasing diversity and inclusion in the engineering community. Learn about different types of bias through real life examples in an interactive, non-judgmental environment. Leave with a deeper understanding of how to combat those biases and a greater appreciation for the benefits of diversity in engineering.</p>	 <p>Abby Goranson, Associate, Senior Structural Project Engineer</p> <p>Nancy Melby, VP, Director of Operations</p> <p>Stacy Feit, Architect</p> <p><b>Leo A Daly</b></p>
<p><b>306 Council Room</b></p>	<p><b>The Ethical Impact of a New Invention</b> A successful invention aims to improve the lives of a target population. What happens when that invention has unforeseen adverse effects on the quality of life of others? To mitigate this risk, the design process must involve an extensive evaluation on potential impacts to humanity and the environment. Come explore the ethics of new ideas, and how good ethical framework prevents the tradeoff between benefit and harm.</p>	 <p>Erin Hemberger, Process Engineer, 2018 Alum</p> <p>Dave Szalewski, Process Engineer II, 2015 Alum</p> <p><b>Novozymes</b></p>
<p><b>308 Gallery Room</b></p>	<p><b>The Link Between Engineering and Business Ethics</b> Engineering and ethics is commonly linked. A Complete Engineer will experience and overcome business and engineering ethical issues in a successful career. Examples of how a global organization manages unique ethical issues that conflict depending on countries involved. In addition, the discussion on conquering engineering ethical issues depending on what is presented to the customer.</p>	 <p>Nizam Qassem, Senior Professional Engineer</p> <p>Chris Mack, Design Engineer, 2012 Alum</p> <p><b>Valmont Industries, Inc.</b></p>





**Breakout 3 – Saturday, 11:00 AM**

**Leadership and Teamwork Focus – Choose one workshop to attend**

<p><b>301 Jenkins Room</b></p>	<p><b>Leadership Skills: School to Career</b> Leadership seems to be a quality many employers search for. But how do we translate the leadership skills from our schooling to a life-long career? This workshop will cover what it means to be a leader, why it is important, and provide you with the tools to transition leadership experience into the professional world. We will be discussing all of this over a fun game of bingo! Did we mention there will be prizes?</p>	 <p>Nathan Schlautman Implementation Consultant</p> <p>Christina Watkins Implementation Consultant</p> <p><b>Fast Enterprises</b></p>
<p><b>304 Omaha Room</b></p>	<p><b>Leadership is a Team Sport</b> Leadership is a team sport! As a Leader, you need to coach, mentor, empower and find ways to communicate with people who have different skill sets. As a young engineer, you need to learn when to take the initiative to lead, and other times you need to be prepared to let go and let others lead you. There is not one “right” way to achieve success. This session will provide a chance to interact with others using different forms of communication and varying amounts of information.</p>	 <p>Anna Grimes Civil Engineering Department Manager</p> <p><b>E&amp;A Consulting Group</b></p>
<p><b>306 Council Room</b></p>	<p><b>Problem Solving for Continuous Improvement in a Manufacturing Process</b> Manufacturing processes at their core aim to efficiently deliver a quality product or service to their customers. The key to process optimization involves not only waste elimination, but value creation. As an engineer, it is our role to seize these improvement opportunities and empower others to add value. In the session, we will focus on working together to apply the cycle of continuous improvement and basic LEAN manufacturing principles.</p>	 <p>Paul Kast, Lead Process Engineer</p> <p>Danielle Rozmus, Process Support Engineer II, 2012 Alum</p> <p><b>Novozymes</b></p>
<p><b>308 Gallery Room</b></p>	<p><b>The Data and Analysis that Drive More Effective Teams</b> Have you ever been part of a high performing team? Why was it so successful? When did you play a role in a dysfunctional team? How do these two experiences compare and contrast? Can you diagnose the difference between the two teams? Join Olsson experts as they describe how their technical and non-technical teams analyze data about people and build strong work groups utilizing key principles found in the Emergenetics questionnaire.</p>	 <p>Trisha Berry, Organization Development Specialist</p> <p>Luke Weatherly, Technical Leader, 2001 Alum</p> <p><b>Olsson</b></p>

## Breakout 4 – Saturday, 1:00 PM

### Teamwork and Self-Management Focus – Choose one workshop to attend

<p>301 Jenkins Room</p>	<p><b>Tools for Effective Self-Management and Career Success</b> Engineering is all about teamwork, but any successful team member is a reliable contributor. This all starts with self-management of tasks and responsibilities. Students will learn about time management, organization, focus, and goal setting as tools for effective self-management. Activities will include self-reflection, discussions, and goal setting exercises to practice skills vital for successful careers.</p>	 <p>Mary Wurst Electrical Engineer, Senior Associate 2009 Alum</p> <p><b>DLR Group</b></p>
<p>304 Omaha Room</p>	<p><b>Building Educational Activities about Building Design for High School Students</b> Imagine being tasked with teaching high school students about Architectural Engineering, but you only have 1 hour. This interactive workshop will explore the process and product utilized to engage local high school students in a career education program. Attendees will participate in a building challenge, followed by a discussion on how the activity was created, ways to improve the building challenge, and finally, why it is so important to share STEM education and career information with high school students.</p>	 <p>Benjamin Ries Electrical Engineer 2009 Alum</p> <p><b>Leo A Daly</b></p>
<p>306 Council Room</p>	<p><b>Multidisciplinary Engineering Teams: We’re All in This Together</b> Engineering design-build projects are highly collaborative. Many projects require the involvement of several disciplines: electrical, mechanical, chemical, structural, architectural, automation, construction management etc. Teams work together to combine their individual discipline knowledge into a cohesive package of drawings and documents. The effective use of project communication tools is critical to the success of a design-build project. Pick up collaborative design tips firsthand from EAD’s team. Learn from our experience what works and what doesn’t, what new tools really make a difference and which tried-and-true methods are still hard to beat.</p>	 <p>Ed Gaither, President of Engineering, 1994 Alum</p> <p>Suparat Pavavicharn, Senior Electrical Engineer</p> <p>Jeremy Keller, Staff Mechanical Engineer, 2002 Alum</p> <p>Zach Bell, Associate Process Engineer, 2017 Alum</p> <p>Alan Haas, Associate Controls Engineer</p> <p><b>EAD</b></p>
<p>308 Gallery Room</p>	<p><b>Communicating As A Team</b> Most engineering involves multiple engineers of different disciplines working as a team to complete a project. One of the biggest issues between team members is a lack of good communication. Come learn how to effectively communicate with your teammates to work through project challenges.</p>	 <p>Erik Hall, Lead Project Engineer, 2010 Alum</p> <p>Jill Netten, HR Generalist</p> <p>April Kruger, Recruiter</p> <p><b>Interstates Control System</b></p>

## Keynote and Plenary Speakers

Listed in order of appearance.

### Welcome Keynote, Friday, March 8, 2:00 PM

Nancy Pidal, P.E., Env SP



*Nancy Pidal, P.E., Env SP, is CEO/President at Lamp, Ryneerson and guides the firm's overall strategy. As a civil engineer with a Master's Degree of Organizational Leadership, Nancy applies a diverse skillset to drive organizational change company-wide. Responsible for remote office leadership, human resources, marketing and organizational development teams, she impacts current pursuits and steers the firm's future direction.*

*Active in the community, Nancy is a member of the University of Nebraska Engineering Advisory Board, the Engineering Change Lab (ECL)-USA steering committee and the Greater Omaha Chamber Board of Directors. She is also the Chair of the Metropolitan Area Planning Association (MAPA) H2050 Regional Planning Action Committee (RPAC).*

### Welcome Keynote, Saturday, March 9, 12:00 PM

Jason Thiellen, CEO, E & A Consulting Group, Inc.



*Jason is passionate. He is passionate about land development, commercial real estate and E & A Consulting Group, Inc.*

*Jason's journey to becoming CEO of E&A has been unique, requiring self-reflection and a drive that is now helping to reshape the company's culture. This self-reflection has given Jason motivation and insight into developing management skills that he now uses to guide others in exhibiting leadership traits, regardless of their role.*

*A UNL graduate, Jason has a Bachelor's Degree in Horticulture/Landscape Design and a Master's Degree in Community and Regional Planning. He came to E&A in 2006 and now oversees all of the planning, landscape design and platting (entitlements) processes. Jason became an owner of the*

*company in 2012, has served on the Executive Management Team since 2011, and was elected Secretary of the Board in 2014 and then CEO in 2017.*