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*Serving Engineering Managers Worldwide*



## **ASEM eNews**

**March 2018**

### **President's Note**

We have just completed a successful Board Meeting at the Coeur d'Alene Resort where the 2018 IAC will be held. The venue is a perfect location for the conference with all of the amenities necessary to make the conference successful. Beginning January 1 of this year, Ed Pohl and Heather Nachtmann assumed the role of Co-Editors for the Engineering Management Journal (EMJ). They have just released for your reading pleasure, Volume 30, Issue 1 of the Journal. I would like to personally thank Toni Doolen and Eileen Van Aken for their dedicated service to the EMJ over the years as Co-Editors and their role in facilitating a smooth transition of the EMJ to Heather and Ed.



The Board continues to be visible and actively engaged in various activities such as joining the Society of Women Engineers and other professional societies in sponsoring the fourth Annual STEM Capitol Hill Day. ASEM also welcomed the institution of a new student chapter at the University of South Florida.

Just a reminder! We continue to have opportunities to serve the society and continue to solicit assistance from the membership. I am excited that Elizabeth Gibson yielded to the call of service and has been elected the new South West (SW) Regional Director, replacing Christy Bozic. I would like to thank Christy for her service during previous years.

Enjoy the newsletter and make plans to attend the 2018 IAC.

*~ 31 March through 17 August 2018 ~*

### **EARLY BIRD REGISTRATION OPEN! Register now for ASEM's 2018 International Annual Conference**

Make plans now to join us in Coeur d'Alene, Idaho for the 2018 IAC! The theme this year is "***Bridging the Gap Between Engineering and Business***", and will be hosted by the [University of Idaho](#) at the [Coeur d'Alene Resort and Conference Center](#).

To register for the conference visit <https://www.xcdsystem.com/asem/attendee/index.cfm?ID=6SmGdSD>

While at the IAC, you will want to be close to the action and stay at the conference venue. Please



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## The IAC Event Schedule is Coming Together Nicely

### We are excited to have Nick Smoot as a Keynote speaker!

Nick Smoot co-founded and sold three technology companies. Now, as the founder of Innovation Collective and Mountain Man Ventures (VC fund), he is focused on redefining how communities large and small participate in the global innovation economy. He holds a deep belief that inclusive economic prosperity and authentic community are inseparable.

### Industry Tours Planned for Wednesday, October 17, 2018:

**Tour 1: The Innovation Den:** Demonstrations will include: bipedal robots with multiple sensors to allow for interactivity. Their capabilities include human like joints powered by servos. Additionally, our student designed LED “Goofy glasses” that are featured at the U of I Football half time shows will be available. Participants will be exposed to robotics, optics, and applied subjects in Computer Science to make connections to real world applications.

Our robotics laboratory will be demonstrating how to use a robot for complex tasks. We will discuss how it works and then our friend Baxter the Robot will be making coffee!

**Tour 2: Chilco Mill:** Tour this 248-acre facility, located just north of Coeur d’Alene, Idaho, to see a technologically advanced mill producing up to 280 million board feet of lumber per year. Dimensions range from 2×4 through 2×12 up to 20-foot lengths. Customers include major home centers, construction suppliers and retailers across North America and the globe.



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## Opportunities for Society Engagement

If you are interested in learning more about ASEM and becoming involved in society projects, we have three critical activities that are in need of additional help:

- 1) The professional development committee is working to expand the test bank of questions supporting the CAEM and the CPEM. If you have an interest in the process of writing, vetting, and validating these questions, please contact Jim Schreiner, the Director of Professional Development, and let him know the domains of the EMBOK you are interested in this effort. ([ProfessionalDevelopment@asem.org](mailto:ProfessionalDevelopment@asem.org))
- 2) The date for the next edition of the EMBOK is rapidly approaching. The society plans to have a significant update with a broader inclusion of international perspectives. If you would like to be involved in the update and review process, please contact Hiral Shah. ([EMBOKEditor@asem.org](mailto:EMBOKEditor@asem.org))
- 3) Shortly following the EMBOK update, we will update the EM Handbook. Goals for this update are enhancing the integration with the EMBOK and better distinction between the foundation skills in the EMBOK and the advanced practice skills in the Handbook. If you are interested in this work, please contact Jimmy Gandhi. ([EMHandbookEditor@asem.org](mailto:EMHandbookEditor@asem.org))

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## Congratulations to ASEM's new SW Regional Director!

ASEM welcomes Elizabeth Gibson as the new SW Regional Director! Elizabeth earned her PhD in Engineering and Technology Mgt. from Portland State University. She currently serves at University of Colorado, Boulder as a professor in the Engineering Management Program. You may contact Elizabeth at [SWRegionalDirector@asem.org](mailto:SWRegionalDirector@asem.org).

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## Engineering Management Journal Volume 30, 2018 - Issue 1 Released

We would like to begin by thanking Toni Doolen and Eileen Van Aken for their dedicated service to the *Engineering Management Journal* (EMJ). Toni and Eileen stepped down as Co-Editors on the 1<sup>st</sup> of January 2018. Toni has served in her role as an Editor/Co-Editor for 9 years while Eileen has been a Co-Editor for almost 6 years. Our society and profession owes them a great debt of gratitude for their hard work, dedicated service, and the professionalism with which they managed the journal.

As Heather and I transition into our new roles as Co-Editors of the *Engineering Management Journal*, we will strive to uphold the high standards set by Toni and Eileen and EMJ's past editors. Our goal will continue to be to publish rigorous academic research and value adding practitioner papers that contribute to the engineering management profession. This issue contains six articles, several of which explore the impact of decision making and risk in product development and project management as well as others that explore applications in system engineering, systems thinking, sentiment analysis, and data visualization. We would like to thank all of our reviewers who contributed to the peer-review process as well as Associate Editors Handley, Bastian, Philbin, Scala, and Pazos for their contributions to this issue.

Members can log on to the ASEM website <https://www.asem.org/EMJ> to view this issue featuring the following six articles:

- “A Systems Thinking Approach to Management Sustainment Phase Redesign Planning” by Classi, Nowicki, Mansouri, Sauser, and Randall.
- “Causes of Engineering Change Propagation: An Analysis During Product Lifecycle” by Eisa, Garstenauer, and Blackburn
- “Owner’s Risk Allocation and Contractor’s Role Behavior in a Project: A Parallel Mediation Model,” by Xu, Yin, Li, and Browne
- “Adopting an Open Innovation Program with Supply Chain Management in China: A Case Study” by Lau, Lee, Lai, and Lee
- “Deploying a Recall Mitigation Framework for Systems Engineering” by Amin, Blackburn, and Garstenauer
- “Sense-Making of Critical Incidents with Sentiment Analysis and Data Visualization” by Akerman, Mallak and Lyth

EMJ invites participation and articles from both industry and academia. We welcome all types of research methodologies and applied case studies that are applicable to the current engineering management domain. For questions or inquiries, please contact us at: [epohl@uark.edu](mailto:epohl@uark.edu) and [hln@uark.edu](mailto:hln@uark.edu).

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## Have you see the latest Business Savvy Engineering blog?

ASEM is keeping pulse on the latest industry and academic practices of interest to our community. Teresa Jurgens-Kowal and Pat Sweet are covering Business Savvy Engineering in their series. The latest post is here:

<http://asem.org/blog/6004937>

Do you have something to share? Please contact [Communications@asem.org](mailto:Communications@asem.org).

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## Welcome to our newest Student Chapter at the University of South Florida!

The ASEM Student Chapter in South Florida was created in August 2017, and has grown to up to 35 students. Providing workshops and networking events to all students in USF interested in Engineering Management, and even helping out the community promote the STEM field to children ranging from Elementary to High School during the school’s Engineering Expo.

This chapter has hosted resume critique workshops, brought speakers to talk about career development, and used Lego to teach little kids all about Data Analytics and to inspire them to become future STEM majors.

We look forward to a bright future, and the continuing development of the chapter.



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## Job Opportunities

[Click here](#) to potentially find your next career adventure, or to find out how you can advertise your employment opportunities to the EM community.

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