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January 2020

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- Call for Abstracts and Management Division Award Nominations- 2020 Annual Meeting

2019 AIChE Annual: Management Division Highlights

The Management Division sponsored six well-received sessions on a host of topics ranging from innovation, managing in an era of digitalization, ethics, women retention to preparing for Management. These included a keynote presentation by the 2019 Management Award recipient, Senior Technical Leader at 3M, Dr. Cristina Thomas. She guided the audience through the process of technical innovation along with three other experts. The session on how to prepare for management had a unique workshop format that resulted in great audience engagement. They worked on figuring out the purpose of management, the opportunities to be taken to showcase readiness and drafting a plan that everyone could act on in the next two years. Another workshop was conducted during the ethics session that discussed modern day ethical dilemmas like data management and biomedical devices. The Management Division is also honored that our Senior member, Harold Conner, was presented the prestigious Muddy Boot Award for his contributions towards making East Tennessee a great place to live, work, and play. The award was presented at the ETEC Annual Meeting and Awards Celebration. YPs also continued to receive encouragement at the meeting and were presented gift cards for their efforts. The session on managing in a high tech world presented tips and tools for utilizing modern technology along with machine learning and artificial intelligence. Overall participation was good across the diverse sessions, resulting in new, shared learning and growth of the AIChE community.

Young Leader Award Announced

Dr. Rui Cruz to receive the 2020 Young Leader Award

This award recognizes an outstanding leader- age 40 or under who has made a significant contribution to the success of their organization by advancing a scope, project, unit, plant, division, technology, strategy or company that made an impact to the practice or field of chemical engineering. It will be presented to Dr. Rui Cruz at the 2020 AIChE Spring Meeting. Dr. Cruz is the Global Research and Director of Industrial Solutions for Dow, Inc. responsible for driving the strategy of a \$4B revenue business. He enables his leaders and executes on project deliverables via a stage gate process and focuses on developing his people to maximize their potential. Dr. Cruz has been a champion of diversity and inclusion through his recruitment efforts. He

has led process improvement and product development initiatives that have led to \$500M in technology innovation for Dow, Inc.

Management Division Webinars and Workshops

As a part of our YP outreach initiatives, the Management Division has started a new free webinar series. Please reach out us if you have specific topics of interest for us to consider and upload in the future! The Management Division is offering a one-day workshop on the "TRIZ" (Theory of Inventive Problem) problem solving process at the spring meeting. TRIZ is a "left brained" science based approach to breakthrough problem solving, derived from the study of patterns of invention in the global patent literature as opposed to psychologically based stimulation approaches. In addition to its core capability to solve engineering problems with contradictions in design and performance, TRIZ is used in failure analysis/prediction and new product and business development, using the trends of evolution seen in the patent literature. The workshop is being taught by Jack Hipple, Fellow of AIChE and certified TRIZ practitioner. Jack has been training in TRIZ for both AIChE and ASME for over 10 years and is the author of "The Ideal Result: What It Is and How to Achieve It" (Springer).

Call for Nominations for 2020 Management Division Award

The Management Division recognizes an outstanding individual who has made a substantial contribution to the management of engineers involved in the field of Chemical Engineering or to management techniques and procedures utilized in this field. Initial nominations can be submitted by resume or CV to geonewcomb@gmail.com

Additional details and criteria are available on the awards section of the [AIChE Website](#).

AIChE 2020 Annual Meeting CFA Open

The upcoming Annual Meeting will feature the six more exciting sessions by the Management Division. The call for abstracts will be open on Jan 10th, 2020. Sessions around industry-academia collaborations, tools for successful technical project leadership, women retention, leadership in academia and in the era of industry digitization are in the planning.

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