

Data Analytics Sessions at the AIChE Annual Meeting in Boston

The topical session T4 - Bridging the Skills Gap in Chemical Engineering includes five sessions on process analytics and machine learning:

<https://aiche.confex.com/aiche/2021/meetingapp.cgi/Symposium/6679>

96 - Academia-Industry Partnership: The Undergraduate Curriculum (Invited Talks)

<https://aiche.confex.com/aiche/2021/meetingapp.cgi/Session/46935>

Chairs: Richard Braatz and Lukas Landherr

“What should new ChE graduates know?” by Yang Luo and Phil Westmoreland

Yang Luo of Honeywell Advanced Materials and Phil Westmoreland of North Carolina State University will present an update to their 2015 AIChE-NSF study that gauged the alignment between industrial vs. academic expectations of new chemical engineering graduates. The presentation is part of part of the Meeting Program Chair's plenary, session 96 - "Academia-Industry Partnership: The Undergraduate Curriculum," scheduled for Monday, November 7, at 11am in 302 Hynes Convention Center

Chemical engineering education is all about preparing students for their careers -- an ever-increasing range of careers. At the same time, fewer new faculty members have industrial experience, and an increasing number of them have no chemical-engineering education themselves. Does that affect how well new graduates are prepared? Based on the 2015 NSF-sponsored [poll and workshop](#), the study committee's [report](#) showed considerable alignment, ways to aid it, and challenges to face.

The study has been revisited in 2021, based on a new poll. Added to continuing changes in work opportunities, COVID-19 has brought temporary and long-term changes in work practices. The plenary presentation will describe what has changed and the lessons learned.

148 - Practical Application of Process Data Analytics and Machine Learning (Invited Talks)

<https://aiche.confex.com/aiche/2021/meetingapp.cgi/Session/46933>

Chairs: Leo Chiang and Selen Cremaschi

449 - Teaching Data Science to Students and Teachers I

<https://aiche.confex.com/aiche/2021/meetingapp.cgi/Session/46934>

Chairs: Martha Grover and Phil Westmoreland

506 - Teaching Data Science to Students and Teachers II

<https://aiche.confex.com/aiche/2021/meetingapp.cgi/Session/48114>

Chairs: Martha Grover and Phil Westmoreland

549 - Teaching Data Science to Students and Teachers III

<https://aiche.confex.com/aiche/2021/meetingapp.cgi/Session/48115>

Chairs: Martha Grover and Phil Westmoreland