



January 24, 2020 **BLOG**

## The Team at XPure Shares Highlights from the 2019 AIChE Annual Meeting

Last month, René Nanninga and Trinath Pathapati from the XPure team attended the #AIChE Annual Meeting in Orlando (USA). The AIChE (The American Institute of Chemical Engineers) Annual Meeting is the premier educational forum for chemical engineers interested in innovation and professional growth. Academic and industry experts covered a wide range of topics relevant to cutting-edge research, new technologies, and emerging growth areas in chemical engineering. More than 7,000 delegates (professors, scholars, scientists, engineers and graduate students) from across the globe attended the event. At our booth, we exhibited our XPure S simulated moving bed (SMB) and XPure E expanded bed adsorption (EBA) systems. We also presented continuous ion exchange and chromatographic separations to the visitors. More than 50 technology-specific interactions took place between the XPure team and the delegates.

### XPure Workshops at #AIChE Annual Meeting

Trinath hosted two workshops during the event. On Tuesday, November 12, he spoke on how to achieve purity, productivity, and profitability demands of process industry using simulated moving bed technology. This topic was focused around complex biological streams in process industries, which require efficient downstream technologies. SMB chromatography is known to be a potential alternative to efficiently process multi-component streams. The focus was to understand the state-of-the-art XPure SMB technology. This technology was assessed based on key industrial drivers like flexibility, operability, and scalability. Finally, we presented several tested and proven case studies. These cases described the impact of XPure SMB technology on purity, productivity, and profitability outcomes in specific industrial settings.

Trinath also presented another workshop about how to design, build and implement integrated technologies like EBA in SMB mode. During the workshop, Trinath discussed the role of EBA technology as a smart separation step for bio-based streams and its impact on product purity, productivity, and yield. This workshop highlighted the benefits of performing EBA in SMB mode and the approach to design, build, and implement EBA-SMB. Finally, Trinath reviewed a tested and proven case study to describe the approach of implementing EBA-SMB and the resulting impact on process efficiency and economics.

The XPure team is glad to have been part of this amazing event, exchanging some

interesting and collaborating to become part of building Sustainable Chemical Industry. For more information, please visit [xpure-systems.com](http://xpure-systems.com) or contact us at [info@xpure-systems.com](mailto:info@xpure-systems.com).