

Chemical Engineering in the Face of Industry 4.0

Abstract:

The evolutionary march towards improved industrial manufacturing processes and new chemical products has been characterized by tools and methodologies. The onset of Industry 4.0 has the prospect to enable the chemical industry to better navigate profitability in a continually dynamic landscape of globalization, sustainability, and economic challenges. Companies are adopting digital transformation strategies with varying degrees of success. I plan to share aspects of Dow's digital transformation journey and lead into a summary of what new opportunities chemical engineers today can expect for their careers.

Speaker Bio

Kip Boit is the Digital Operations Center (DOC) North America Region Leader at Dow Inc. The DOC is focused on innovation and enabling digital transformation of manufacturing operation capabilities. Kip has been with Dow for the past 13 yrs with prior roles in R&D, capital project execution and plant operations. He received his Bachelors and Masters degrees in Chemical Engineering from Texas Tech University and currently serves on the Chemical Engineering Department External Advisory Board.