



PROSPECTS AND CHALLENGES FOR OLEFINS PRODUCTION

John Hedengren
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Panelists

Mark Darby



Richard Hughes



Doug Nicholson



Judson Wooters



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Mark Darby, Ph.D.

- Owner: CMiD Solutions
- Prior Work Experience:
 - Director, AspenTech
 - Director, Setpoint
- Ph.D. at the University of Houston
- Optimization / Control with 33 years experience
- Active researcher on methods that optimize signals to improve signal generation for model identification and control



Doug Nicholson



- Principal Engineer at APEX Optimisation
- Prior Work Experience:
 - Aptitude, Senior Consultant
 - AspenTech, Senior Advisor
 - ExxonMobil
- University of British Columbia
- Optimization / Control with 35 years experience
- Consulted for refineries and petrochemical plants throughout the world
- Ethylene units and other light hydrocarbon units



Judson Wooters



- Chevron Phillips, Senior Engineer
- B.S. Brigham Young University
- M.S. Oklahoma State University
- Optimization and Control
 - 2 years support of alpha olefins derivative unit APC, unit historian, and systems support
 - 3 years support of olefins unit optimization, furnace modeling, and APC



Richard Hughes

- SABIC UK Petrochemicals
 - Process control consultant
- B.S./M.S. University of Bath
- Prior Experience:
 - AspenTech, Senior Consultant
 - ICI, Engineer
 - GEC Avionics, Engineer
- Control consultant with 25 years experience

