

Chemical Engineering and the Forum (Including Sponsored Technology Workshops)

Held at the 2024 AIChE Annual Meeting

San Diego, California, USA
27-31 October 2024

ISBN: 979-8-3313-1680-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2024) by AIChE
All rights reserved.

Printed with permission by Curran Associates, Inc. (2025)

For permission requests, please contact AIChE
at the address below.

AIChE
120 Wall Street, FL 23
New York, NY 10005-4020

Phone: (800) 242-4363
Fax: (203) 775-5177

www.aiche.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

ISSUES IN LAW FOR PRACTICING ENGINEERS

192a Things You Should Know to be an Effective Expert Witness in an Intellectual Property (IP) Matter in the Chemical Processing Industry	1
<i>David Rockstraw</i>	
192b An Introduction to Intellectual Property for Established and Inspiring Start-Ups and Entrepreneurs.....	8
<i>Michael Stephenson</i>	

TAKEDA SPONSORED WORKSHOP ON DEMOCRATIZING MODELING, SIMULATIONS, AND COMPUTATIONAL DATA SCIENCES TO ACCELERATE PROCESS DEVELOPMENT AND MANUFACTURING IN PHARMA AND CHEMICAL INDUSTRY

386a Democratizing Modeling, Simulations, and Computational Data Sciences to Accelerate Process Development and Manufacturing in Pharma and Chemical Industry	9
<i>Neda Nazemifard</i>	

ASSESSING ADSORBENT MATERIALS FOR APPLICATIONS IN DIRECT AIR CAPTURE (DAC) UTILIZING BREAKTHROUGH AND STATIC ADSORPTION MEASUREMENTS

739a Assessing Adsorbent Materials for Applications in Direct Air Capture (DAC) Utilizing Breakthrough and Static Adsorption Measurements	10
<i>Julian Hungerford</i>	

DIGITAL THREADS FOR DATA AND PROCESS TRACEABILITY AND REPRODUCIBILITY IN DRUG DISCOVERY

740a Digital Threads for Data and Process Traceability and Reproducibility in Drug Discovery	11
<i>Tara Madhyastha</i>	

PURDUE CENTER FOR OPERATIONS AND OPTIMIZATION IN PROCESS SYSTEMS

741a Purdue Center for Operations and Optimization in Process Systems	12
<i>David E. Bernal Neira</i>	

Author Index