Management Division

Core Programming Topic at the 2012 AIChE Spring Meeting cpf '8th Global Congress on Process Safety

Houston, Texas, USA 1-5 April 2012

ISBN: 978-1-62276-555-3

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© (2012) by AIChE All rights reserved.

Printed by Curran Associates, Inc. (2012)

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

AIChE 3 Park Avenue New York, NY 10016-5991

Phone: (203) 702-7660 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: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

TABLE OF CONTENTS

Process Safety and Corporate Responsibility	N/A
Equations of Change: How Patent Law Has Changed, and What Changes Are to Come	1
What Is Prior Art in the "First-to-File" Patent System Under the America Invents Act of 2011	2
Avoiding Common Mistakes in Licensing Agreements and Other Technology Agreements	3
Simplified Cost Estimation and Its Application to Decision Making: What Do You Really Need to Know?	9
John Eric Anderson	
Lessons Learned From SABIC New Processes Commercilization	
Technical Support Benchmarking: A 15 Year Historical Perspective	
An Integrated Approach for Chemical Technology Development	
Misappropriation of Trade Secrets by Departing Employees or Other Agents	23
Environmental Liability: Regulation, Compliance and Litigation Risk	31
Propellant Systems for Household Spray Products	32
Tips From 25 Years of Environmental and Product Liability Litigation	47
Innovative Project Management for Large Scale Process Projects	48
Sustainable Development Pays: Financial Success Is Rooted in the Ability to Identify and Respond to	
Key Social and Environmental Issues Dana Cooper	63
Sustainable Business Operation and Environmental Preservation - The Evolving 21st Century Thinking on the Achievability of Both	64
Jacqueline Sibblies Identifying Discontinuities for Research and Technology Development Jack Hipple	65
25 Years of Process Design + Manufacturing + R& D and Still Don't Know What I Want to Be When	
I Grow up	67
Process Evaluations & Manufacturing Support: From Concept to Commercial	76
Planning and Developing a Career in Process Development	77
Process Development As An Industry Career Path Joseph B. Powell	109
Musings on Management	112
Cultural and Technological Forces That Are Changing the Knowledge Management Game	113
What Kind of Manager Am I? Terrence Robak	114
Best Practices in the Design and Fabrication of Pilot and Demonstration Plants	115
Best Practices in Heat Tracing Pilot Plants	120
Richard Palluzi	120
Pilot Plant Best Practices for Safer Design and Operation	136

Mini- and Micro-Scale Units in Process Development	137
Joseph B. Powell	
Data Integration in Petrochemical Pilot Plants by Software Optimization	142
Hsiang Yee Lai, Theodore Wilmes	
Author Index	