

AFPM Operations & Process Technology Summit 2018

Operational Planning, Control &
Automation Technologies

Atlanta, Georgia, USA
1 - 3 October 2018

ISBN: 978-1-5108-7355-1

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© (2018) by American Fuel & Petrochemical Manufacturers (AFPM)
All rights reserved.

Printed by Curran Associates, Inc. (2018)

For permission requests, please contact American Fuel & Petrochemical Manufacturers (AFPM)
at the address below.

American Fuel & Petrochemical Manufacturers (AFPM)
1667 K Street, NW, Suite 700
Washington DC 20006
USA

Phone: (202) 457-0480
Fax: (202) 457-1486

info@afpm.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

Avoiding the Camouflage Effect: Questionable Practices That Are NOT High Performance HMI!	1
<i>B. Hollifield</i>	
Beyond Alarm Management: Using Alarm Analysis to Identify Loop Performance Problems	28
<i>B. Hollifield</i>	
Sustaining Your Asset Model (Digital Twin): A Practical Approach	44
<i>B. Taylor</i>	
Model Predictive Control on a Vacuum Column	55
<i>R. Mandela</i>	
Closing the “LP Gap”: Integration of Production Planning and Supervisory Process Control	70
<i>C. Betts, M. Baldea, O. Santander</i>	
Organizational Changes to Maximize Your APC Profitability	90
<i>R. Conley, V. Boudier</i>	
Demystifying Visualization Technologies	99
<i>R. Smith</i>	
Real Time Advanced Modeling to Minimize Downtimes	115
<i>K. Novstrup</i>	
Closed Loop Real Time Coordination of a Refinery Mid-Distillates System	124
<i>J. Gunderman, V. Gokhale</i>	
Author Index	