

Questionnaire on PCOC Workshop on Real Time Optimization Capabilities & Experiences

Date: April 19, 2005

I. Content

- | | | |
|--|----------------------------------|---------------------------------|
| 1. Was the content informative? | 94% <input type="checkbox"/> Yes | 6% <input type="checkbox"/> No |
| 2. Would you like to see more technical details? | 53% <input type="checkbox"/> Yes | 42% <input type="checkbox"/> No |
| 3. Would you like to see more practical details? | 82% <input type="checkbox"/> Yes | 18% <input type="checkbox"/> No |
| 4. Were you already familiar with these concepts? | 94% Yes | 6% <input type="checkbox"/> No |
| 5. Will you be able to use these ideas in your work? | 94% <input type="checkbox"/> Yes | 6% <input type="checkbox"/> No |

6. Suggestions

[More practical tips/advice](#)

[More time for Q/A](#)

[Speaker needs to do a better job matching content with time allowed](#)

II. Format

- | | | |
|--|-----------------------------------|---------------------------------|
| 1. Were the handouts useful? | 100% <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Was the presentation style (visuals & lecture format) adequate? | 94% <input type="checkbox"/> Yes | 6% <input type="checkbox"/> No |
| 3. Would you prefer hands-on exercises if possible? | 24% <input type="checkbox"/> Yes | 76% <input type="checkbox"/> No |
| 4. Would you prefer more examples? | 65% <input type="checkbox"/> Yes | 29% <input type="checkbox"/> No |
| 5. Would your company like to participate by providing a real example? | 29% <input type="checkbox"/> Yes | 24% <input type="checkbox"/> No |

6. Suggestions

[Do not use wide screen format](#)

[More time for round table discussions](#)

[Some of the slides did not show properly](#)

[Some \[speakers\] had an ok number of examples](#)

III. Facilities & Scheduling

- | | | |
|---|-----------------------------------|--|
| 1. Were the facilities (acoustics, space) adequate? | 100% <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Was the length of the workshop adequate? (too long, too short) | 88% <input type="checkbox"/> Yes | 12% <input type="checkbox"/> No |
| 3. Was the timing (pre-business meeting) adequate? | 100% <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Would more of your employees have attended if more specific details of the workshop were known prior to the workshop date? | 24% <input type="checkbox"/> Yes | 65% <input type="checkbox"/> No |
| 7. Refreshments | 82% <input type="checkbox"/> Ok | 6% <input type="checkbox"/> More <input type="checkbox"/> Less |

[Try starting at 12:30 to give more time](#)

[Some presentations were too long](#)

IV. Suggestions for the next workshop topic

(high priority ... low priority)

- | | | | | | |
|--|---|---|---|---|---|
| 1. Topics with RT-OPT | 1 | 2 | 3 | 4 | 5 |
| 2. Transition Control | 1 | 2 | 3 | 4 | 5 |
| 3. Nonlinear Control | 1 | 2 | 3 | 4 | 5 |
| 4. Detection of valve sticking and hysteresis | 1 | 2 | 3 | 4 | 5 |
| 5. Maintaining MPC controllers (Operating Co. + vendors) | 1 | 2 | 3 | 4 | 5 |
| 6. Integration of Design and Control | 1 | 2 | 3 | 4 | 5 |
| 7. Intermediates product pricing | 1 | 2 | 3 | 4 | 5 |
| 8. Rigorous models for inferentials | 1 | 2 | 3 | 4 | 5 |
| 9. Software and hardware for data collection (incl filter issues) | 1 | 2 | 3 | 4 | 5 |
| 10. Controller benefits calc & justification, Post-audit (B. Zapata) | 1 | 2 | 3 | 4 | 5 |
| 11. Automated plant testing experiences | 1 | 2 | 3 | 4 | 5 |

V. Suggestions for speaker topics:

Scheduling & Planning

Closed-loop testing & improved model identification ← Fall 2005 Workshop Topic

Adaptive MPC

Automated procedures for transition control

Nonlinear control with a focus on production rate changes