

Questionnaire on PCOC Workshop on Maintenance of MPC Controllers  
Date: 10/26/04 Fall 2004 Meeting

I. Content

- 1. Was the content informative? 100%  Yes  No
- 2. Would you like to see more technical details? 50%  Yes  No
- 3. Would you like to see more practical details? 58%  Yes  No
- 4. Were you already familiar with these concepts? 100%  Yes  No
- 5. Will you be able to use these ideas in your work? 92%  Yes  No

6. Suggestions

The workshop was more of a course than cutting edge exploration of ideas.  
Probably fine but need to communicate when selecting topics and announcing workshops... is it a tutorial or cutting edge? Either is ok just communicate.

II. Format

- 1. Were the handouts useful?  Yes  No
- 2. Was the presentation style (visuals & lecture format) adequate? 100%  Yes  No
- 3. Would you prefer hands-on exercises if possible? 25%  Yes  No
- 4. Would you prefer more examples? 50%  Yes  No
- 5. Would your company like to participate? 75%  Yes  No

6. Suggestions

III. Facilities & Scheduling

- 1. Were the facilities (acoustics, space) adequate? 92%  Yes  No
- 2. Was the length of the workshop adequate? 100% (too long, too short)  Yes  No
- 3. Was the timing (pre-business meeting) adequate? 100%  Yes  No
- 4. Would more of your employees have attended if more specific details of the workshop were known prior to the workshop date? 17%  Yes  No
- 7. Refreshments 75%  Ok  More  Less

IV. Suggestions for the next workshop topic

(high priority ... low priority)

- |  |   |   |   |   |   |
|--|---|---|---|---|---|
| 1. Topics with RT-OPT 8/12                             | 1 | 2 | 3 | 4 | 5 |
| 2. Transition Control 1/12                             | 1 | 2 | 3 | 4 | 5 |
| 3. Nonlinear Control 2/12                              | 1 | 2 | 3 | 4 | 5 |
| 4. Detection of valve sticking and hysteresis 2/12     | 1 | 2 | 3 | 4 | 5 |
| 5. Maintaining MPC controllers (Op Co. + vendors) 1/12 | 1 | 2 | 3 | 4 | 5 |
| 6. Integration of Design and Control 2/12              | 1 | 2 | 3 | 4 | 5 |
| 7. Intermediates product pricing 0/12                  | 1 | 2 | 3 | 4 | 5 |
| 8. Software and hardware for data collection 1/12      | 1 | 2 | 3 | 4 | 5 |
| 9. SPC & MPC & 6- Sigma and MPC (DMAIC 6Sigma) 2/12    | 1 | 2 | 3 | 4 | 5 |

V. Suggestions for speaker topics: Business Topics

Product based on TTU developed technology  
Comparison of MVC technologies, i.e. DMC+, RMPCT, Aspen RTO, Romeo, etc.  
as well as RTO  
Rigorous models for inferentials  
Automated plant testing experiences