3rd Workshop on Quality Improvement Methods
at the Universitätskolleg Bommerholz
Bommerholzer Str. 60, 58456 Witten-Bommerholz
tel.: (0 23 02) 39 60 fax.: (0 23 02) 39 63 20

Program

Friday, March 12, 2004

until 14:00 Meeting at the Department of Statistics, University of Dortmund
14:00 Transfer to Bommerholz (by car)

Session 1: Dynamic Systems
14:45 Opening
15:00 - 15:30 Holger Kantz (Dresden) Probabilistic predictions for observed stochastic processes with approximate Markov property
15:45 - 16:15 Alexander Gepperth (Bochum) Optimizing the BTA deep hole drilling process: a dynamical systems approach
16:30 Coffee

Session 2: Multivariate Optimisation
16:45 - 17:15 Heike Trautmann (Dortmund) (with C. Weihs) Uncertainty of the Optimum Influence Factor Levels in Multicriteria Optimization Using the Concept of Desirability
17:30 - 18:00 Céline Le Bailly (Louvain-La-Neuve) (with B. Govaerts and B. Beck) Using QSAR models in lead optimisation: the impact of prediction error in the optimisation of aggregated responses
18:15 Dinner

from 20:00 Informal discussions in the bar of the institute
### Saturday, March 13, 2004

**from 7:30**  
**Breakfast**

**Session 3: Experimental Design**

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<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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<tbody>
<tr>
<td>9:00 - 9:30</td>
<td>David Steinberg (Tel Aviv)</td>
<td>Robust design from computer simulators</td>
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<td>9:45 - 10:15</td>
<td>Tormod Naes (Ås)</td>
<td>Experimental design and analysis in situations with uncontrolled raw material variation</td>
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**10:30**  
**Break / Coffee**

**Session 4: Longitudinal Data**

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<tbody>
<tr>
<td>11:00 - 11:30</td>
<td>Jan Engel (Eindhoven)</td>
<td>Modelling factorial effects and longitudinal data by Semiparametric Models</td>
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<tr>
<td>11:45 - 12:15</td>
<td>Bernadette Govaerts (Louvain-La-Neuve)</td>
<td>Analysing experimental design results when the response is a curve: a case study in polymers R&amp;D.</td>
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**12:30**  
**Lunch / Walk /Coffee**

**Session 5 Applications in Industry**

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<tr>
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<tbody>
<tr>
<td>15:30 - 16:00</td>
<td>Ulrike Grömping (Köln)</td>
<td>Application of DoE in Automotive Industry</td>
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<td>16:15 - 16:45</td>
<td>Jutta Jessenberger (Neuss)</td>
<td>Bridging the gap between theory and practice - Lean Six Sigma, a new quality approach at Xerox</td>
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<td>17:00 - 17:30</td>
<td>Anja Schleppe (Dachau)</td>
<td>Inflator Control Plan Project – A 6-Sigma Approach for Airbag Development Programs</td>
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**17:45**  
**Closing**

**18:00**  
**Dinner / End of the workshop**