5th Workshop on Quality Improvement Methods
at the Universitätskolleg Bommerholz

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Program

Friday, May 26, 2006

until 9:00	Meeting at the Department of Statistics, University of Dortmund
9:00	Transfer to Bommerholz (by car)

Session 1:	**Process Control**
10:00	Opening
10:15 - 11:00 Winfried Theis (Köln)	Using Control-Charts to Drive the Process Improvement in a Company
11:00 - 11:45 Amor Messaoud (Dortmund)	A New Nonparametric Multivariate Weighted Moving Average Control Chart
11:45 - 12:30 Anita Busch (Dortmund)	Chatter Detection by Spectral Analysis of Structure-Borne Sound

12:30	Lunch
13:15 Meeting of the ENBIS organizers	

Session 2:	**Consulting**
14:00 - 14:45 Andrea Ahlemeyer-Stubbe (Gengenbach)	Data Quality and Data Pre-processing in Data Mining
14:45 - 15:30 Anja Schleppe (München)	Loss of Robustness in a Product Function after a Production Change was made – An Example for a Root Cause Search

15:30 - 16:00	Coffee

Session 3	**Design of Experiments**
16:00 - 16:45 David Steinberg (Tel Aviv)	Designing Factorial Experiments for Binary Responses
16:45 - 17:30 Theo Wember (Datteln)	D-optimal Designs with Partial Inclusions
17:30 – 18:15 Sonja Kuhnt (Dortmund)	Joint Optimisation Plots for Multiple Responses

18:30	Dinner
from 20:00	Informal discussions in the bar of the institute

Saturday, May 27, 2006

from 7:30	Breakfast

Session 4:   **Modelling**

9:00 - 9:45 Tamas Harczos (Budapest)	A Revised Neurobiologically Inspired Model of the Human Cochlea and an Attached Auditory Image Processing Network
9:45 - 10:30 Dirk Surmann (Gütersloh)	Statistical Modelling of Unbalanced Laundry in Washing machines
10:30 - 11:00	Break / Coffee

Session 5:   **Optimization of Processes**

11:00 - 11:45 Alessandro Di Bucchianico (Eindhoven)	Issues in the Integration of Statistical Process Control and Automatic Control
11:45 - 12:30 Jan Engel (Eindhoven)	A Response Surface Approach to Tolerance Design
12:30	Lunch / Walk / Coffee

Session 6   **Miscellaneous Topics**

15:30 - 16:15 Ursula Garczarek (Penzberg)	The Quality of Samples in Diagnostic Studies
16:15 - 17:00 Ulrike Grömping (Berlin)	Decomposing the response variance in linear regression
17:00 - 17:45 Thomas Santner (Columbus)	Sequential Design of Computer Experiments to Determine Constrained Optimum
17:45	Closing
18:00	Dinner / End of the workshop