

7th Workshop on Quality Improvement Methods  
at the Universitätskolleg Bommerholz

Bommerholzer Str. 60, 58456 Witten-Bommerholz  
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**Program**

FRIDAY, MAY 23, 2008

until 14:00	Meeting at the Faculty of Statistics, Technische Universität Dortmund
14:00	Transfer to Bommerholz (by car)
14:45	Opening
<b>Session 1:</b>	<b>DOE / Kriging</b>
15:00 - 15:30	David Steinberg (Tel Aviv University) Sequential design of experiments for generalized linear models
15:45 - 16:15	David Ginsbourger (École Nationale Supérieure des Mines de Saint-Étienne) Discrete Mixtures of Kernels for Kriging-based Optimization
16:30	Coffee and tea
<b>Session 2:</b>	<b>Statistics / Robust Optimization</b>
16:45 - 17:15	Jan Engel (Centre for Quantitative Methods CQM BV Eindhoven) Statistics Development: Statistical Methods Meeting the User's Needs
17:30 - 18:00	Claus Weihs (Technische Universität Dortmund) Quality Assurance for Statistical Consulting
18:15 - 18:45	Tormod Naes (University of Oslo) A case study: Process Improvement Using Mixture-Process Variable Designs and Robust Optimization Techniques
19:00	Dinner
from 20:30	Informal discussion in the bar

SATURDAY, MAY 24, 2008

from 7:30	Breakfast
<b>Session 3:</b>	<b>Audio Signal Analysis</b>
09:00 - 09:30	Tuomas Virtanen (Tampere University of Technology) Unsupervised Learning Methods for Audio Signal Analysis and Sound Source Separation
09:45 - 10:15	Rainer Martin (Ruhr-Universität Bochum) Signal Quality in Hearing Aids - A Statistical Approach
10:30 - 11:00	Break / Coffee and tea
<b>Session 4:</b>	<b>Evolutionary Optimization</b>
11:00 - 11:30	Mike Preuss (Technische Universität Dortmund) Experimental Analysis of Metaheuristics
11:45 - 12:15	Jörn Mehnen (Cranfield University) Robust Multi-objective Optimisation of Weld Beads for Additive Manufacturing
12:30	Lunch / Walk / Coffee and tea
<b>Session 5:</b>	<b>Control Charts</b>
15:30 - 16:00	Amor Messaoud (University of Jendouba, Tunisia) Prediction of Spiralling in a Drilling Process
16:15 - 16:45	Philippe Castagliola (Université de Nantes) Monitoring Variability with EWMA
16:45	Closing
17:00	End of the workshop