

# 13th Workshop on Quality Improvement Methods at NH Hotel Dortmund

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## Program

**FRIDAY, JUNE 20, 2014**

14:00 – 14:10    Opening

### Session 1 (Chair: Christine Müller)

- 14:10 – 14:55    Jörg Keller and Thomas Lehmann (Daimler AG, Ulm)  
*Method Development for Improvement of Forecasting Quality through constant Data Enhancement*
- 14:55 – 15:40    Kathrin Plankensteiner (Alpen-Adria-University, Klagenfurt)  
*A Bayesian Application of a Gaussian Process Model to Predict Smart Power Semiconductor Lifetime Data*
- 15:40            Coffee and tea
- 16:00 - 16:45    Christoph Kustosz and Christine Müller (TU Dortmund University)  
*Application of Data Depth to Models in Construction Engineering*
- 16:45 – 17:30    Claus Weihs and Svetlana Herbrandt (TU Dortmund University)  
*Optimization of a Simulation for Inhomogeneous Mineral Subsoil Machining*

### Session 2 (Chair: Claus Weihs)

- 17:50 – 18:35    Mart P. Janssen (University Medical Center Utrecht)  
*Monitoring of infectious diseases for safety of plasma derived medicines*
- 18:35 – 19:20    Nihan Acar (Mimar Sinan Fine Arts University, Istanbul)  
*Cusum Control Charts based on Bootstrap Techniques*
- 19:20            Dinner
- from 20:30      Informal discussion at the bar

**SATURDAY, JUNE 21, 2014**

- from 06:00      Breakfast
- 09:00 – 09:45      Phillipe Castagliola (LUNAM Université, Nantes)  
*Monitoring the Coefficient of Variation for Short Run Production*
- 09:45 – 10:30      Kristina Lurz (University of Würzburg)  
*The Use of Inequalities of Camp-Meidell Type in Nonparametric  
Statistical Process Monitoring*

**Session 3 (Chair: Joachim Kunert)**

- 10:50 – 11:35      Ulrike Grömping (Beuth University of Applied Sciences, Berlin)  
*Understanding the confounding structure of factorial experiments*
- 11:35 – 12:20      Wei Zheng (Indiana University – Purdue University Indianapolis)  
*Optimal Crossover Designs for the proportional Model*
- 12:20                      Lunch / Walk
- 14:20 – 15:05      Katarzyna Filipiak (Poznań University of Life Sciences)  
*Universally optimal designs under interference models with and  
without block effects*
- 15:05 – 15:50      Pierre Druilhet (Université Blaise Pascal, Aubière Cedex)  
*Generalized Kushner's Methods*
- 15:50 – 16:00      Closing
- 16:00                      Coffee and tea

**INVITED DISCUSSANTS:**

Dhouha Mejri (ISG, University of Tunis): *Statistical process control and  
data mining*

Nuri Celik (Bartın University): *Robust statistics and lifetime analysis*