

15th Workshop on Quality Improvement Methods at Esplanade Hotel in Dortmund

Burgwall 3. D-44135 Dortmund
tel.: +49 231 58530 fax.: +49 231 5853270

Program

FRIDAY, JUNE 16TH, 2017

14:00 Opening

Session 1:

14:10 – 14:55 Samineh Bagheri, TH Köln University of Applied Sciences
Online Selection of Surrogate Models for Constrained Black-Box Optimization

14:55 – 15:40 Martin Zaefferer, TH Köln University of Applied Sciences
Surrogate Model Based Optimization of the Substrate Feed Mixture of a Biogas Plant

15:40 Coffee and tea

Session 2:

16:00 - 16:45 Maria Konstantinou, Ruhr-Universität Bochum
Optimal designs for survival data

16:45 – 17:30 Katarzyna Filipiak, Poznań University of Technology
Universally optimal designs under mixed interference models with and without block effects

17:30 Break

Session 3:

17:50 – 18:35 Chen Nan, National University of Singapore
A Physical-Statistical Model for Li-Ion Battery Prognostics

18:35 – 19:20 Oliver Meyer, TU Dortmund University
Using the Six Sigma method to optimize Lithium-Ion-Battery production: A work in progress

19:20 Dinner

from 20:30 Informal discussion at the bar

SATURDAY, JUNE 17TH, 2017

from 07:00 Breakfast

Session 4:

09:15 – 10:00 Stefanie Biedermann, University of Southampton
Optimal design when outcome values may be missing

10:00 – 10:45 Wei Zheng, Indiana University - Purdue University Indianapolis
Optimal design of sampling survey for parameter estimation

10:45 Coffee and tea

Session 5:

11:00 – 11:45 Christine Müller, TU Dortmund University
Prediction intervals for failure processes

11:45 – 12:30 Uwe Jensen, University of Hohenheim
Martingale Methods with Applications in Reliability

12:30 Lunch

13:15 Walk

Session 6:

14:00 – 14:45 Fabrizio Ruggeri, IMATI CNR
Bayesian Statistical Process Control in the Big Data era

14:45 – 15:30 Philippe Castagliola, Université de Nantes & LS2N UMR CNRS 6004
An EWMA-Type Sign Chart with Exact Run Length Properties

15:30 Closing

15:40 Coffee and tea / End of the workshop