

16th Workshop on Quality Improvement Methods at Esplanade Hotel in Dortmund

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Program

FRIDAY, JUNE 1ST, 2018

14:00 Opening

Session 1:

14:10 – 14:55 Sophie Mercier, Université de Pau et des Pays de l'Adour
Probabilistic construction and properties of gamma processes and extensions

14:55 – 15:40 Christian Paroissin, Université de Pau et des Pays de l'Adour
On a goodness-of-fit test for the gamma process

15:40 Coffee and tea

Session 2:

16:00 - 16:45 Waltraud Kahle, Otto-von-Guericke Universität
Preventive maintenance in degradation processes

16:45 – 17:30 Edsel A. Peña, University of South Carolina
Nonparametric Bayes estimation of a system's reliability function

17:30 Break

Session 3:

17:50 – 18:35 Udo Kamps, RWTH Aachen
Inference with sequential order statistics

18:35 – 19:20 Henry Wynn, London School of Economics
Stochastic control principles in antithetic variables and multi-fidelity simulation

19:20 Dinner

from 20:30 Informal discussion at the bar

SATURDAY, JUNE 2ND, 2018

from 07:00 Breakfast

Session 4:

09:15 – 10:00 Philippe Castagliola, Université de Nantes
Monitoring compositional data using multivariate EWMA

10:00 – 10:45 Sven Knoth, Helmut-Schmidt-Universität
The steady-state average run length - modeling and calculation

10:45 Coffee and tea

Session 5:

11:00 – 11:45 Roberto Fontana, Politecnico di Torino
Generalized minimum aberration orthogonal arrays

11:45 – 12:30 Ulrike Grömping, Beuth University of Applied Sciences
An algorithm for generating good mixed level factorial designs

12:30 Lunch

13:15 Walk

Session 6:

14:00 – 14:45 Eva Riccomagno, Università degli Studi di Genova
Optimal design of experiments for large datasets

14:45 – 15:30 John Tyssedal, Norges teknisk-naturvitenskapelige universitet
Screening non-normally distributed responses

15:30 Closing

15:40 Coffee and tea / End of the workshop