18th Workshop on Quality Improvement Methods

Program

Online attendance. The workshop and farewell celebration will be held as a Cisco Webex-meeting. Both days use the same meeting/link available either via

meeting ID: 121 609 8386,   password: KMhNCPRp235,

or by clicking the following link: `https://tu-dortmund.webex.com/tu-dortmund/j.php?MTID=mab943e9e3e59ec2a4f76ee62ce2ecd51`

Friday, July 16th, 2021 (online only)

15:00	Opening

Session 1:

15:10 – 15:55	Anja Schleppe *Applied statistics in the food industry*
15:55 - 16:40	Katarzyna Filipiak *Growth curve model with block random effects - sufficiency and estimation*
16:40	Break

Session 2:

17:00 – 17:45	Rakhi Singh *Design selection for 2-level supersaturated designs*
17:45 – 18:30	John Stufken *Factor selection in screening experiments*
19:00	Dinner – gathering point in front of the TU Dortmund maths building (Vogelpothsweg 87, 44227 Dortmund)

Saturday, July 17th, 2021
(hybrid: ME29, TU Dortmund maths building, Vogelpothsweg 87 or online)

Session 3:

11:00 – 11:45	Christoph Neumann *Reducing the number of doses in dose-finding trials - impact on power and estimation*
11:45 – 12:30	Ulrike Grömping *An algorithm for blocking regular fractional 2-level designs with clear two-factor interactions*
12:30	Lunch

Session 4:

13:30 – 14:15	Winfried Theis *Predictive asset maintenance at scale - the challenge of large numbers*
14:15 – 15:00	Per Bruun Brockhoff *Mixed models in sensometrics, and many other places*

Farewell Celebration:

15:00 – 16:00	Coffee, tea and pastries
16:00	Welcoming speeches by Christine Müller, Rainer Schwabe, and others

Farewell talks:

- *Statistics, geometry and pharmacokinetics* by Holger Dette

- *Multiblock data analysis applied to the sensometrics field* by El Mostafa Qannari

- *Mishaps, brainstorms and strokes of genius - some recollection* by Michael Meyners

18:00	Dinner at Hotel Dortmund (formerly Tryp Hotel), Emil-Figge Str. 41