

Developing and maintaining robust models for process analysis and control in food manufacturing

Thursday 16th June 2022

12.30 - 15.45 (UK time)



This **free on-line event** is presented jointly by CPACT (www.cpact.com), IRTA Monells (www.irta.cat) and DigiFoods (www.digifoods.no) of which SINTEF (www.sintef.no/digital) and Nofima (www.nofima.no) are leading members.

Mathematical modelling is a crucial part of effective process analysis and control in food manufacturing and processing. Development of robust models for quantitative analysis and process modelling is essential, with model maintenance a particular challenge. This symposium will focus on methodologies to aid model development and how these approaches are applied in food manufacturing. The presentations will be followed by a panel-led discussion to allow participants to ask questions and explore ideas in more detail.

The event will be of interest primarily to those involved in the development and application of advanced technologies for monitoring and control of food manufacturing but will also be relevant to those with similar interests in other industries, where developing and maintain robust models are equally important.

Aims of the event:

- Share awareness of advances in procedures for development of robust multivariate models for quantitative process analysis and control technologies in food manufacturing
- Illustrate the value of robust model maintenance in practical applications
- Share good practice across process industry sectors.

Programme

- 12:30-12:40 **Welcome and introductions**
- 12:40-13:10 **Key aspects to increase the robustness of NIRS prediction models for the on-site assessment and authentication of agrifood products**
Dolores Perez Marin, University of Cordoba
- 13:10-13:40 **Helping NIR applications survive the rigours of industry**
Erik Tengstrand, Nofima
- 13:40-14:10 **Deploying, monitoring and maintaining multivariate calibration models for industrial use**
Chuck Miller, Aspen Technology
- 14:10-14:25 **Break**
- 14:25-14:55 **Robust and sustainable NIR applications in industry - Beyond modelling**
Lidia Esteve, Mars Global Services Laboratories
- 14:55-15:35 **Discussion session**
Expert panel members: Alison Nordon, University of Strathclyde/CPACT
Puneet Mishra, Wageningen University
Katherine Bakeev, B&W Tec
- 15:35-15:45 **Wrap up and thanks**

Registration details

Participation in this event is free and open to all. Please click here to [REGISTER](#) by Thursday 9th June. The WebEx platform will be used to host the event.

[Format of the discussion session](#)

[Speaker biographies](#)

[Panel member biographies](#)

[About CPACT, IRTA and DigiFoods](#)

