



PhD Thesis Defense

Process Analytical Technology and on-line spectroscopic measurements of chemical meat quality

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The thesis deals with process analytical technology and how it can be implemented in the meat industry through on-line grading of chemical meat quality. Focus is put on two cases, namely the rapid quality control of fat quality and the development of a method for on-line detection of boar taint. It also considers general issues regarding chemical analysis as an on-line abattoir tool, and the applicability of current analytical methods for slaughter line use.

The implementation of such high tech methods will provide the meat industry with a leading edge not only with product quality, but potentially also with environmental issues such as energy and water use and animal welfare. Future research into the technologies will ultimately allow broad on-line screening of biomarkers, leading to on-line metabolomics.

Supervisor

Professor Søren Balling Engelsen
University of Copenhagen

Assesment committee

Professor Rasmus Bro (Chair),
University of Copenhagen

Ana Garrido-Varo,
University of Cordoba

Daniel Mörlein,
Georg-August-Universität Göttingen

Location

Faculty of Science
Auditorium 01.01
Bülowsvej 17, floor level
1958 Frederiksberg

Time

April 24th, 2015
Doors will be closed at 10.00

Reception

Reception will be held after the defense in meeting room 545. The defense is scheduled to a maximum of three hours.