

NIR 2013

2013. JÚNIUS 2-7.

LA GRANDE-MOTTE (F)

16. Nemzetközi NIR Spektroszkópiai Konferencia – képekben

Salgó András – Gergely Szilveszter* (BME ABÉT)

NIR Klub – 2014 nyár

* gergely@mail.bme.hu



HOL?



HOL?



HOL?



KIK?



DE : M
DU : A
O : 112
30' / 20'
F : 67
5'
P : 267
HK / SZP
MIT?

Monday 3 rd		Tuesday 4 th		Wednesday 5 th		Thursday 6 th		Friday 7 th	
Grand Auditorium / Small Auditorium		Grand Auditorium / Small Auditorium		Grand Auditorium Small Auditorium		Grand Auditorium		Grand Auditorium	
08:30	Registration	Keynote, Tom Fearn		Keynote, Hamid Deghani		Keynote, Kim Esbensen		Keynote, Kim Moon	
09:00	Welcome and Inroduction	ST2 Chemometrics		ST1 Spectroscopy		ST4 Experimental methodologies		ST5 Hyperspectral	
	Guest Speaker, Sune Svanberg								
10:30	Break	Break		Break		Break		Break	
11:00	Keynote, Wouter Saeys	ST2 Chemometrics		T. Hirschfeld award & ICNIRS Gen. Assembly		GFSV		ST4 Experimental methodologies	
	ST3 Instrumentation								
	Platinum Sponsors	Gold Sponsors				A*		Silver Sponsors	
13:00	Lunch Break	Lunch Break		Lunch Break		Lunch Break		Awards & Closing Ceremony	
		Lunch Break		Lunch Break		Lunch Break		Lunch Break	

Monday 3 rd			Tuesday 4 th			Wednesday 5 th	Thursday 6 th			Friday 7 th
Grand Auditorium	Small Auditorium	Mediterranean Room	Grand Auditorium	Small Auditorium	Mediterranean Room	Social Programme, tours, visits, etc...	Grand Auditorium	Small Auditorium	Mediterranean Room	...
A1 Foods	GFSV **	ST1 Diffusion Aqua-photomics	ST2 Chemo-metrics	A3 Pharma-ceutical	A4 Archaeology, Ecology		A1 Soil	A1 Meat	A2 Tissues	
Break			Break				Break			
A1 Wood & Biomass	A3 Petro-chemistry	A1 Adulteration Fraud	A1 Plants & Forrages	A3 Biowaste & Bioenergy	A4 Industry		A1 Soil	A1 Fruits	A2 Monitoring	
Poster Session / Happy hours		ICNIRS Chairman advisory committee*	Poster Session / Happy hours / NIR in Action		Im Publications meeting*		Poster Session / Buchi Bar		Milk Scatter Session*	
Foss Event (Yacht Club Beach)			Bruker Event (Bikini Beach)			Gala Dinner (Pasino)				

* = Couchant Room

** = Multi spectroscopic approaches

A = IVPLT-NIR

Tom
Fearn

KIK?



Heinz
Siesler

Rudolf
Kessler

KIK?



Pierre
Dardenne

KIK?



Peter
Flinn

KIK?



Diane
Malley

KIK?



Gerard
Downey

Phil
Williams

KIK?



Véronique
Bellon-Maurel

Ana
Garrido-Varo

KIK?



KIK?



Daniel Cozzolino



Søren Engelsen

NIR 2015
OKT. 18-23.
FOZ DO
IGUAÇU,
BRAZÍLIA

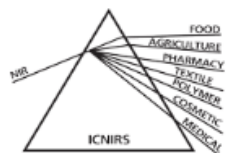
NIR 2017
KOPPENHÁGA,
DÁNIA
(INNSBRUCK,
AUSZTRIA
ELLENÉBEN)



Sponsors

To enlarge

nir 2013 Partners



The names and logo of the sponsors will be updated regularly.

Platinum Sponsors



FOSS



\$

Gold Sponsors



\$

Silver Sponsors



\$

KIK?



KIK?



KIK?



KIK?



KIK?



KIK?



KIK?



KIK?



KIK?

In all things of nature there is something of the marvelous.

Aristotle
(Greek Philosopher 384 BC – 322 BC)

Sensor Heads
Innovative sensor heads designed for optimized sample presentation

Spectrometers
Precision spectrometers developed to cover your specific requirements

Polytec



KIK?



KIK?



KIK?

New Spiral sampler - representative FT-NIR scanning of agricultural samples

Representative spectroscopy for grain, silage and hay

Anders Larsen¹, Marie Sørensen¹, Lone Viggø¹
1:3 Giksterline A/S, Stangørdvej 7, 4340 Tølløse, Denmark

Introduction

Central laboratories, research centers and others with a need to acquire spectral data from dry and fresh agricultural samples are faced with the fact that such samples are often extremely heterogeneous and acquisition of a representative NIR spectrum is limited by the instrumental setup available. A new accessory has been developed which allows representative scanning of dry as well as fresh agricultural samples. The Spiral Sampler scans a total area of 3.75 cm². The performance of the Spiral sampler will be presented and compared to the performance of other sample presentation methods.



Results

Using the Spiral Sampler for scanning of barley, using the three species differences over the 1st and 2nd PC for each accessory (Spiral sampler, while this is most representative sample can be repeated using more samples. The performance of the two for each measurement and standard deviation respectively. While the results are very similar, the Spiral Sampler is more precise for both protein and water-soluble standard deviations, especially for the protein.

The Spiral sampler

The spiral sampler uses a 60 mm OD glass tube, length 200 mm as sample container, called the AgriTube. The product is filled into the AgriTube and the tube is closed with a lid. The spiral sampler can work in two modes, the area mode, in which the main attraction is the 3.75 cm² total surface area of the tube, or the tumbling mode for dry components like grains. In tumbling mode the tube is filled only partially allowing for continuous mixing during scanning. The AgriTube is placed horizontally in the Spiral Sampler and rotates at a speed of 3 rev per revolution with a longitudinal helix speed of 8 mm per revolution.



KIK?



:)



NIR 2015

OKT. 18-23.

FOZ DO
IGUAÇU,
BRAZÍLIA

NIR 2017

KOPPENHÁGA,
DÁNIA

00:20:00

