

# Photonics Day Denmark 2020

24.03.2020, Foss A/S

FOSS Innovation Center, Nils Foss Allé 1, 3400 Hillerød, Denmark

Photonic sensors & embedded systems for industrial measurement engineering



## Tuesday, 24 March 2020

### 09:00 - 09:30 Registration @ Conference Venue

### 09:30 - 09:42 Session 0: Welcome Addresses and Introduction

Time	Nr.	Speaker	Topic	URL:
09:30-09:33	0A	Poul Svensgaard	Welcome Address by Delta Optical Thin Film A/S	deltaopticalthinfilm.com
09:33-09:36	0B	Jacob Riis Folkenberg	Welcome Address by FOSS A/S	fossanalytics.com
09:36-09:39	0C	Dr. Thomas Rasmussen	Welcome Address by Ibsen Photonics A/S	ibsen.com
09:39-09:42	0E	Dr. Nick Leithold	Welcome Address by SpectroNet International Collaboration Cluster Jena	spectronet.de

### 09:42 - 10:00 Keynote Address

Time	Nr.	Speaker	Topic	URL:
09:42-10:00	0K	Dr. Thomas Rasmussen	How to choose the best spectrometer for your application	ibsen.com

### 10:00 - 11:30 Session 1: 2D/3D Photonic Sensors & Systems for Quality Assurance

Time	Nr.	Speaker	Topic	URL:
10:00-10:10	01	Marcus Himmel	Time-of-Flight (ToF) for Industrial Applications	becom-group.com
10:10-10:20	02	Gloria Gerlach	DFB Laser Technology in the near and mid infrared for high-sensitivity gas sensing applications	nanoplus.com
10:20-10:30	03	Michael Lund	Prism based multispectral imaging with selected bands	jai.com
10:30-10:40	04	Niclas Sjogren	Getting Ready for Industry 4.0 with Software-defined GigE Vision Smart Cameras	pleora.com
10:40-10:50	05	Markus Riedi	Digitalization of the visual appearance of surfaces with solino	opto.de
10:50-11:00	06	Markus Burgstaller	Hyperspectral Apps – Ready to go.	perception-park.com
11:00-11:10	07	Daniel Kraus	Advanced imaging flow cytometry for pollen grain identification & sorting	leibniz-iph.de
11:10-11:20	08	Niklas Saxen	N.N.	edmundoptics.de
11:20-11:30	09	Theodor Nielsen	High volume manufacturing of advanced diffractive optical elements	nilt.com

### 11:30 - 13:00 Lunch Break with Individual Networking and Demonstrations

### 13:00 - 14:30 Session 2: Photonic Sensors & Systems for Spectral & Hyperspectral Measurements

Time	Nr.	Speaker	Topic	URL:
13:00-13:10	10	Marco Liepelt	Compact OEM spectrometers for (handheld) Raman applications	ibsen.com
13:10-13:20	11	Antje Thamm	Multi-wavelength LED Modules (VIS + SWIR) for food inspection and analysis	epigap-optronic.de
13:20-13:30	12	Christian Krause	The future of light measurement	visosystems.com
13:30-13:40	13	Dr. Heinrich Grüger	SMMS - Scanner mirror micro spectrometer	ipms.fraunhofer.de
13:40-13:50	14	Dr. Mathias Grabau	SWIR and MWIR Pushbroom Hyperspectral Imaging Systems for Applications in Industry and Beyond	inno-spec.de
13:50-14:00	15	Dr. Oliver Pust	Continuously Variable Filters for Applications in Spectroscopy, HSI and Fluorescence Diagnostics	deltaopticalthinfilm.com
14:00-14:10	16	Carina Büchl	Ultracompact spectrometer solutions	broadcom.com
14:10-14:20	17	Dr. Oliver Lischtschenko	Intelligent Spectral Data Processing in Mobile, Research and Industrial Inspection Applications	oceanoptics.com
14:20-14:30	18	Asger Sellerup Jensen	White Light Laser – flexible light source for industrial applications	nktphotonics.com

### 14:30 - 15:30 Coffee Break with Matchmaking Meetings, Individual Networking and Demonstrations

### 15:30 - 17:00 Session 3: Hard- & Software for Embedded Systems & Solutions

Time	Nr.	Speaker	Topic	URL:
15:30-15:40	19	Simon Renard	Pressure control as universal tool for liquid handling	fluigent.com
15:40-15:50	20	Maarten Gerkes	Latest SWIR LED developments in photonic sensors and embedded systems	ushio.de
15:50-16:00	21	Jacob Riis Folkenberg	Applications of photonics in Food Analysis	fossanalytics.com
16:00-16:10	22	Prof. Dr. Thomas Längle	DigiVine - Digitization in the value chain of viticulture: from planting to grape delivery	iosb.fraunhofer.de
16:10-16:20	23	Urban Konradsson Botes	Embedded systems for spectroscopy	optonyx.com
16:20-16:30	24	Gerhard Stanzel	Instrumentation & Components for hyperspectral imaging	stemmer-imaging.de
16:30-16:40	25	Bram Senave	Embedded deep learning in machine vision	easics.be
16:40-16:50	26	Paul-Gerald Dittrich	Multimodal imaging approaches for applications in industry and beyond	tu-ilmenau.de
16:50-17:00	27	Dr. Nick Leithold	SpectroNet Collaboration Cluster in Photonics & Machine Vision	spectronet.de

### 17:00 - 18:30 Get-together with snacks & drinks