Light-Based Solutions for Agriculture, Veterinary and Ecology

Uppsala | 19-20 May 2016

Workshop

- » Talks by Photonics and End-user Experts
- » Partnering & Networking
- » Exhibition
- » Guided Tours





GENERAL INFORMATION

REGISTRATION:

Please register for free: www.delegia.com/oasis2016

DATE: Thursday May 19, 10 am, to Friday May 20, 2 pm.

WORKSHOP VENUE Swedish Agricultural University (< 1 km from SVA), Uppsala, Sweden www.photonicsweden.com/files/ workshop PH21 OASIS/Travel to Uppsala.pdf

HOTELS http://www.destinationuppsala.se/en/Stay/

EXHIBITION Please contact Petra Bindig (petra@photonicsweden.org) if your are interested in exhibiting (table top, roll up).

WORKSHOP,, EXHIBITION, MATCH-MAKING and GUIDED TOUS

will be held in parallel to the technical sessions to provide industry, institutes and associations an opportunity to display their products and services and bridge the gap between science and industry.

FURTHER INFORMATION

For further information please go to www.photonicsweden.org

PhotonicSweden

The Swedish Technology Platform in Optics and Photonics







THURSDAY, 19 MAY 2016

8.:30 -10:00 On-site registration and welcome coffee

10:00 -12:00 Session 1 | The Background

Welcome Pierre-Yves Fonjallaz, PhotonicSweden

10:00 -10:10 Presentation of the EU project OASIS Cecilia Pinto, Optitec, France

10:10 - 10:20 Light – what is photonics? Magnus Breidne, The Royal Swedish Academy of Engineering Sciences (IVA), Chairman PhotonicSweden

10:20 -10:40 Biophotonics in Europe Prof. Roberto Pini, University of Florence, Optoscana

10:40 -10:50 Photonics and Biophotonics in Sweden Pierre-Yves Fonjallaz, PhotonicSweden

10:50 - 11:05 Possibilities for Agriculture and Livestock Farming using Light-Based Technologies - Visions from applied research with focus on dairy production -Mårten Hetta, Swedish Agricultural University (SLU)

11:05 -11:20 Healthy animals. Safe humans. – An overview of the National Veterinary Institute Prof. Karin Artursson, SVA, & SLU

11:20 -11:40 EU Calls for the participants of this workshop Ziga Valic, Optitec and SLU's Grants Office

11:40 - 12:00 European Biophotonics Platform Guus Taminiau, Photonics Netherlands

12:00 -13:00

Lunch & Exhibition

Room: Övre foajén

Room: Sal L

Room: Övre foajén

WORKSHOP ON LIGHT-BASED SOLUTIONS FOR AGRICULTURE, VETERINARY AND ECOLOGY

THURSDAY, 19 MAY 2016

13:00 -15:00 Session 2 | Light on/for Veterinary and Ecology

13:00 -13:20 Needs of Veterinary Mikael Leijon, National Veterinary Institute (SVA)

13:20 - 13:35 Presentation from a Spanish company Medlumics

13:35 -13:50 IR imaging for environmental and veterinary applications Lea Dabiri, FLIR Systems

13:50 - 14:05 Imaging systems for large animals Damiano Fortuna, IMAGINALIS S.r.l., Italy

14:05 - 14:20 Environmental Monitoring and Assessment TBC, Swedish Agricultural University

14:20 - 14:35 Airborne bathymetric and topographic multi sensor LiDAR Axel Axelsson, Airborne Hydrography

14:35 - 14:50 Optical Sensors for environmental surveillance or veterinary Presentation from Germany

15:00 -15:30 Coffee Break

15:30 - 17:00 Session 3 | Pitches from companies and End-users

15:30 -17:00

Companies or technology providers present their solutions and their offer. End-users present their needs. Every pitch is max 4 minutes long. There is a very strict time-keeper. Max 15 Pitches

17:10 - 18:20

Session 4 | Match-Making

End-users and technology providers discuss in groups of 6-8 persons. Probably 3 x 15-20 minutes.

20:00-22:00 Conference Dinner Location: Restaurang Linnésträdgården in down-town Uppsala

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Room: Sal L

Room: Övre foajén

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WORKSHOP ON LIGHT-BASED SOLUTIONS FOR AGRICULTURE, VETERINARY AND ECOLOGY

FRIDAY, 20 MAY 2016

Room: Övre foajén

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09:00 - 10:30 Session 5 | Light on/for Ecology and Agriculture

09:00-09:15 Vegetation analysis from ground and satellites Prof. Lars Eklundh, Lund University

09:15 - 09:30

Danijela Vukadinovic, Wageningen University, Netherlands

09:30 - 09:45 Quality control of grain, flour, food and feed TBA

09:45 - 10:15 Precision Farming (tutorial) Dr. Bo Stenberg, Swedish Agricultural University (SLU)

10:15 - 10:30 Presentation from France

10:30 -11:00 Coffee Break exhibition

11:00 - 12:30 Session 6| Light on/for Agriculture

11:00-11:30 How photonics can transform farming Per Warg & Gösta Forsén, DeLaval & Farmic

11:30-11:45 IR spectroscopy as a tool to understand environmental stress in plant pathology Saroj Kumar, Uppsala University, Dept. Engineering Sciences

11:45 - 12:00 An intelligent LED greenhouse lighting system with feedback control Daniel Bånkestad & Johan Lindqvist, Heliospectra

12:00 - 12:15 Non-destructive optical method for phenotypic analysis of early stage tree seedlings growth *Cristina Rusu, Acreo Swedish ICT*

12:15 –12:30 Concluding remarks Pierre-Yves Fonjallaz & Ziga Valic, PhotonicSweden and Optitec

12:30 -14:00 Lunch & exhibition Room: Övre foajén

14:00 - 16:00 End of workshop and guided tours