PhotonicSweden
The Swedish Technology Platform in Optics and Photonics

Photonics 4 Agriculture & Food
Norrköping | 25 November 2021

Workshop and Exhibition
» Talks by Photonics Experts and End-users
» Networking & Matchmaking
» Exhibition

2021-11-25 At Campus Norrköping / from 10:00 to 19:00 / Free of charge

Agtech 2030   VISUAL SWEDEN   PEA Printed Electronics Arena

Register here: https://dinkurs.se/Workshop20211125

Prize Award for Best Photonic Company of the Year!

Programme:

09:00-10:15	Registration
10:15-12:30	Sessions including Discussion and Matchmaking
12:30-14:00	Lunch & Exhibition at the Visualiseringscenter's Restaurant
12:30-14:00	A study visit at the PEA-Printed Electronics Arena
14:00-16:50	Sessions including Discussion and Matchmaking
16:50-17:50	Drinks and Exhibition
18:00-19:00	3D-Dome Presentation at the Visualiseringscenter
19:00-21:30	Informal Networking dinner at the Visualiseringscenter

Program on 25th November: Welcome & Confirmed Invited speakers

Welcome by PhotonicSweden
Lennart BM Svensson & Petra Bindig
PhotonicSweden, Kista, Sweden

Per Frankelius, Associate Professor (Docent), Linköping University and process leader of the initiative "Agtech 2030" focusing on agricultural innovations. Research, teaching, interaction with companies, part of regional development projects etc. I think agriculture is the most innovative as well as most important sector in the world.

Anders Carlsson, Senior Coordinator at Linköping University and Process Manager at Visual Sweden that is Europe's most attractive innovative environment for visualization and image analysis, LiU, Norrköping

Astrid Lundmark, PhD, Senior Systems Engineer, Saab AB, Linköping. Interested in respiratory monitoring with the intended application of detection of heat stress, as well as early detection of disease. Other applications are also conceivable, such as verifying that animals do not breathe at slaughter, or monitoring their condition during transport.

Malin Jonsson, PhD, Development & Innovation Manager, GasPorOx AB, Lund. Leading our Development and Innovation team at Gasporox where the foucs is developning laser-based products for quality inspection in the pharmaseutical, beverage and food industries.

Fredrik Müller, Board Member, Strategic advisor, Qualisys AB, Gothenburg. Animal & Equine Biomechanics - We provide tools for precisely measuring equine and canine movements — both indoor and outdoor. Using our sequence-coded active markers, horse tracking is taken to a whole new level. QHorse, is our system for objective lameness gait analysis. Our optical tracking technology, also known as optical motion capture, makes it possible to measure the position of very fast moving objects with extremely high accuracy.

Duncan Platt, Unit Manager PEA for Printed Electronics that is a part of the Smart Hardware department at RISE Norrköping. Prior to this Duncan worked at RISE as Acting Section Manager for Printed Electronics and also Sensor Systems as well as being Group Manager for Electronic Design and Integration. Duncan has over 30 years of experience in electronics design such as Ericsson, ÅF, Autoliv and GEC Marconi Avionics.

Ursula Hass Unit Manager PEA for Bio organic Electronics that is part of the Smart Hardware department and belongs to the Digital Systems division at RISE Norrköping, Long experience of research and development of innovative collaborations between research institutes, academy, industry and society, on both national and international level.
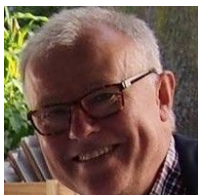
Michael S. Lund, Sales Director EMEA, jAi A/S, Denmark. Advanced color and multispectral capabilities, highly reliable operation, and a range of high-speed options including both line scan and area scan solutions helps to create systems that ensure the highest quality in what we eat and drink. In the food industry, JAI cameras sort fruit and vegetables by color, grade, and size on conveyor belts.

Björn Wiklander, Manager, Data Science & Machine Learning, DeLaval International AB, Tumba, Björn leads the work as head of the engineering group; Data Science & Machine Learning, Animal Intelligence & Milking points. Björn was also responsible for the development of the TOF camera image processing software and the camera HW itself. Furthermore, Björn's group works with the BCS - Body Condition Scoring camera, Hull camera.

Gabriella Josefsson, PhD, Sales Engineer, Hamamatsu Photonics Norden AB. Protecting and preserving foods and packaging. Hamamatsu offers multiple options for use in devices designed for improving food inspection, sorting, safety, and quality. These accurate, reliable sensors and cameras can give inspectors the capability required to identify issues in food products and packaging before they are shipped.
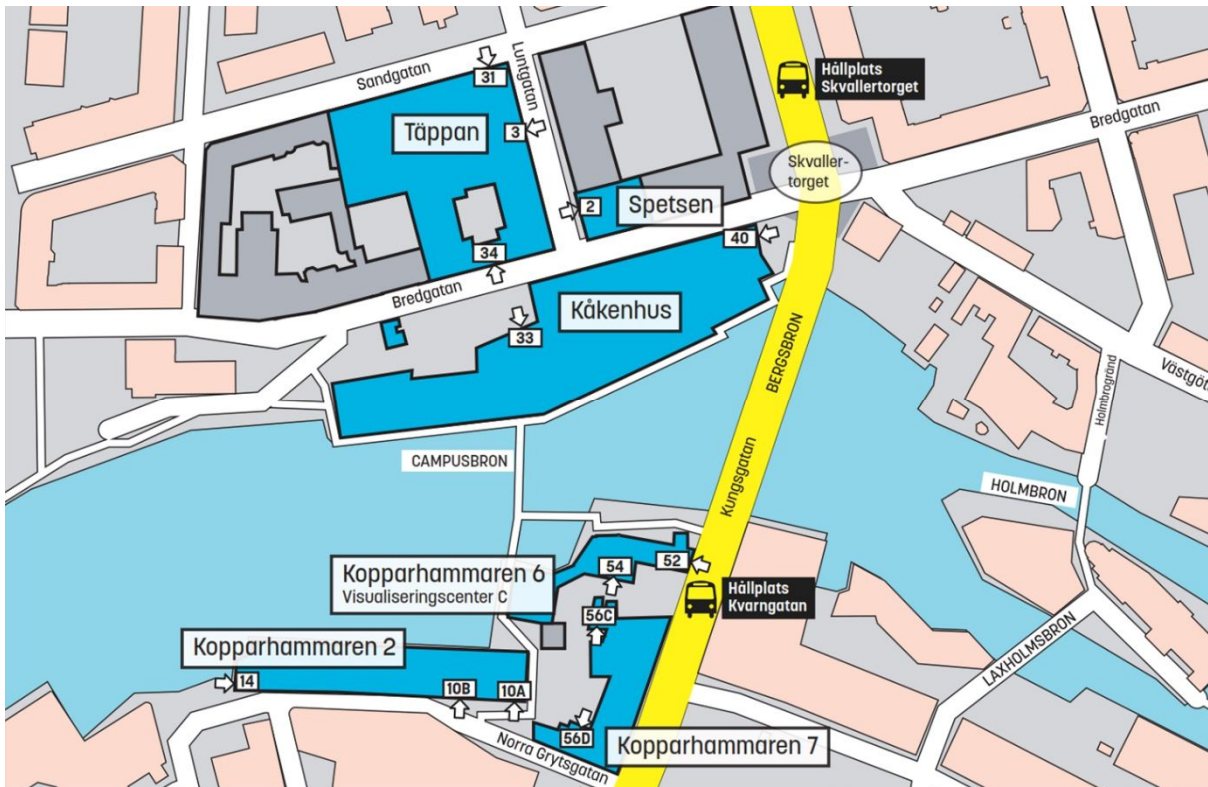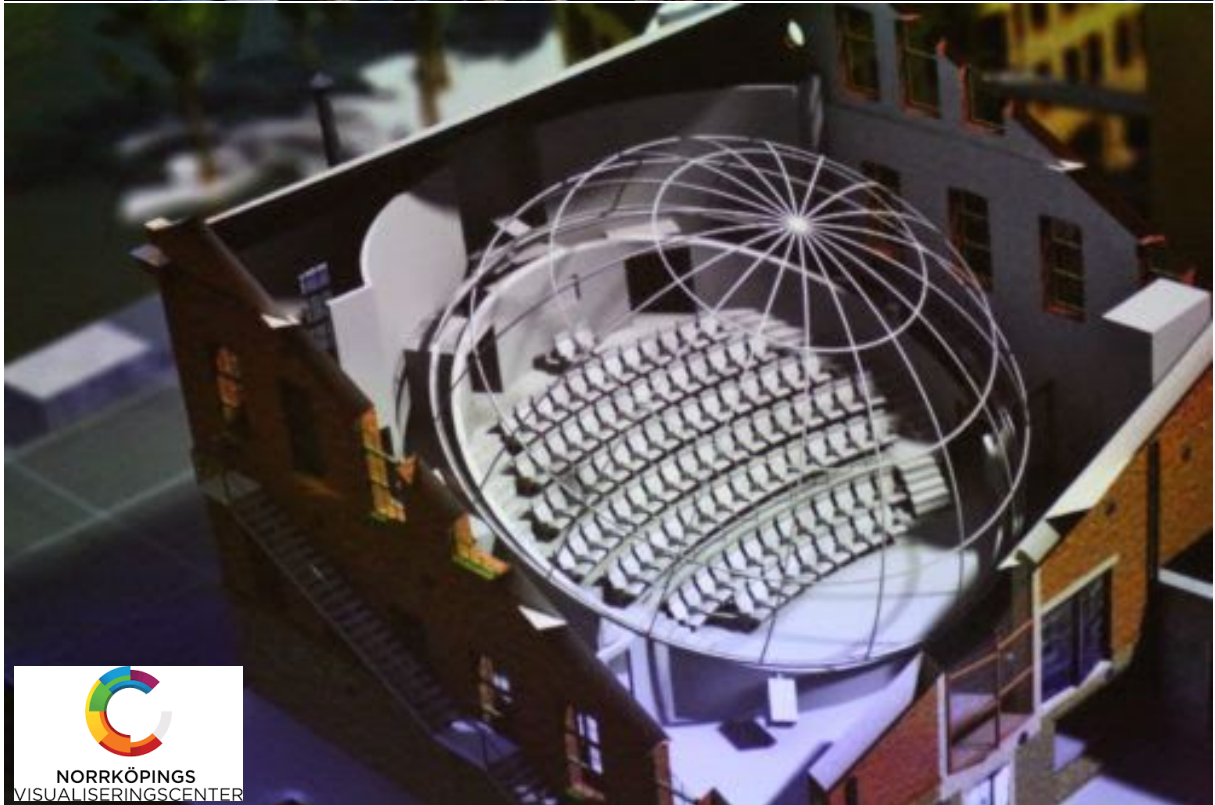
The aim of the workshop is to gather actors in photonics together with actors in agriculture and food processing. Campus Norrköping is located in the old industrial landscape close to Norrköping city center.

- *The venue's lecture hall is K1 located in Kåkenhus on Bredgatan 33.*
- *Visualiseringscenter is located in Kopparhammaren 6 at Kungsgatan 54.*

Kåkenshus

Photo by Peter Modin
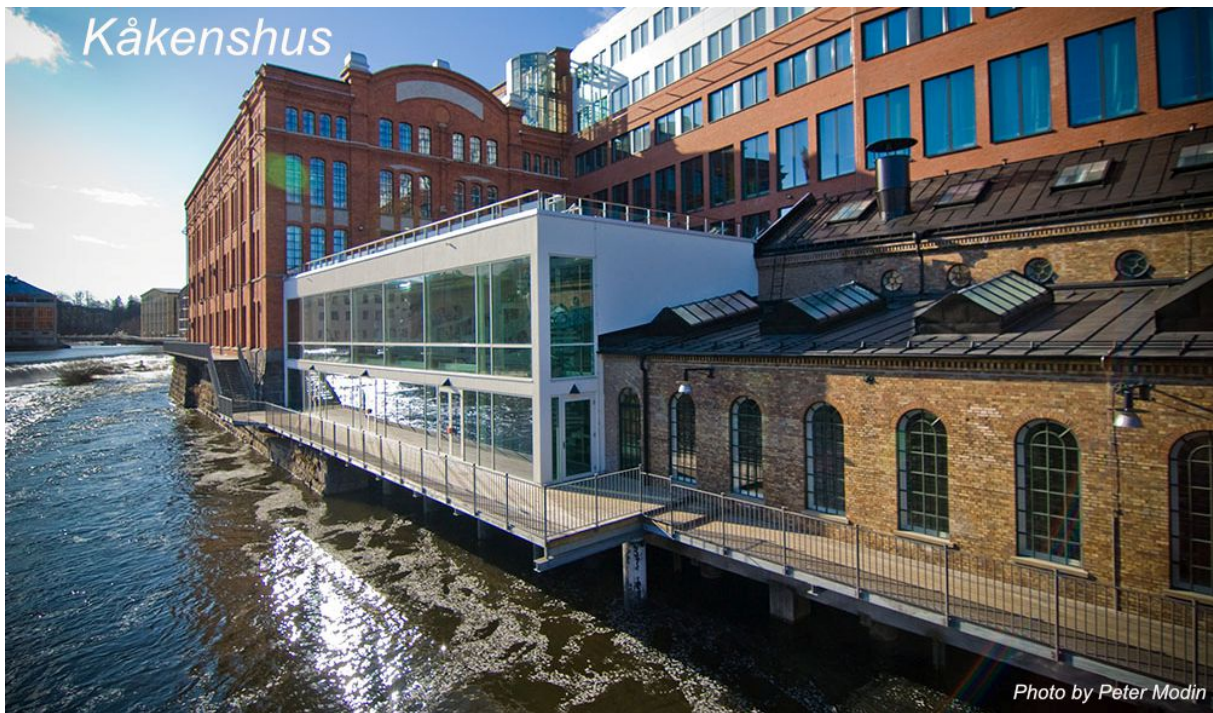
Study visits at Printed Electronics Arena and the Dome at Visualization Center C.

PEA, Norra Grytsgatan 7
Kopparhammaren 2

MANUFACTURING

Norra Grytsgatan

Visualiseringscenter, Kungsgatan 54

The Dome at Visualization Center C