

INFORMATICS AND MATHEMATICAL MODELLING
HOSTS

INDUSTRIAL MEDICAL GRAPHICAL

VISIONDAY

Wednesday 2, Thursday 3



and Friday 4 June 2004



invite companies, organisations, and institutions interested in image analysis and vision systems to three days of information and demonstrations at DTU in Building 308.

Participation fee per day 1.200 DKK
Participation fee per day for members¹ 1.000 DKK
Participation fee per day for university employees 600 DKK
Participation fee per day for students² 150 DKK
Dinner at Hotel Fortunen 2 June 19.00 250 DKK

The participation fee covers the scientific program, exhibition, compendium, refreshments, and lunch.
All participants are welcome to exhibit equipment or posters.

¹ For members of DSAGM, DSTM, DIRA, DAu, and IGDA.

² Students should bring a poster for the exhibition.



Venue:

INFORMATICS AND MATHEMATICAL
MODELLING

Building 308, DK-2800 Kgs. Lyngby

Latest news, abstracts, practical information etc.
www.visionday.dk

Questions and further information

Secretary Eina Boeck
Phone: (+45) 4525 3424
e-mail: info@visionday.dk

REGISTRATION

Fill in and fax this form before 17 May. Fax No.: (+45) 4588 1397 or register online at www.visionday.dk

REGISTRATION FORM FOR THE VISIONDAYS AT DTU

Department/Company		
Participant 1:		
Participant 2:		
Participant 3:		
Title:		
Address:		
Postal code:	Town:	Country:
Phone No.:		
Fax No.:		
e-mail:		

- ☐ I wish to participate in the Industrial Visionday **Wednesday, 2 June**
☐ I wish to participate in the Medical Visionday **Thursday, 3 June**
☐ I wish to participate in the Graphical Visionday **Friday, 4 June**
I am a member of ☐ DSAGM ☐ DSTM ☐ DIRA ☐ DAu ☐ IGDA

Dinner registration

- ☐ I will participate in **the dinner on Wednesday, 2 June**

Exhibition (free of charge)

- ☐ We have an exhibition on ☐ Wednesday ☐ Thursday ☐ Friday

Payment for participation should be settled by 21 May to Danish postal account (girokonto) 103-05-74 or to Danske Bank, reg. No. 4180 account No. 4263972007 – SWIFT: DABADKKK, IBAN: DK 57 3000 4263972007. Clearly mark your payment "VISIONDAY" and NAMES of participants



PROGRAM

INDUSTRIAL VISION DAY

WEDNESDAY 2 JUNE 2004

- 08.00** Registration, exhibition, demonstrations, coffee and rolls.
- 09.00** Welcome and introduction.
Professor Knut Conradsen, IMM, DTU
- 09.10** The road to purpose designed industrial cameras.
Gunnar Jonson, Product manager, JAI A/S
- 09.40** Cognitive vision and handwriting recognition.
Rikard Berthilsson, CEO, Ph.D., Cognimatics AB
- 10.00** Øresund IT - vision in the human-tech region.
Peter Höjerback, CEO, Øresund IT Academy
- 10.20** Poster teasers.
- 10.20** Coffee, exhibition, demonstrations.
- 10.45** The European vision market - current analysis and its development since 1985.
Don Braggins, CEO, Machine Vision Systems Consultancy
- 11.30** The Danish Machine Vision Industry and how to play with the vision supplier in the pharmaceutical industry.
Johannes Krarup Andersen, Project engineer, Novo Nordisk Engineering A/S
- 12.00** Lunch, exhibition, demonstrations.
- 13.30** An egg-sorting system.
Jakob Find Madsen, Application engineer, Image House A/S
- 13.50** Application of dynamic light sources for visual inspection.
Jens Vindeby, CEO, Instruvision ApS
- 14.10** Precision measurements using vision technology.
Lene Grøndahl Frie, Project manager, JLI Vision A/S
- 14.25** Plug and Play, Vision for industrial Applications.
Jørgen Rosenfeldt, Application engineer, Omron
- 14.40** Design of a fully automated assembly line.
Nils Hammeken, Project manager, ProInvent A/S
- 15.00** Coffee, exhibition, demonstrations.
- 15.20** Intelligent eyes in your network.
Mikael Karlsson, Chairman and co-founder, Axis Communications AB
- 15.35** Mobile Imaging.
Pierre Elzouki, VP Business Development and Investor Relations, Scalado AB
- 15.50** Poster prize, discussion and closing remarks.
Jens Michael Carstensen, Associate professor IMM, DTU
- 16.00** Exhibition, demonstrations, refreshments.
- 17.00** The Industrial Visionday ends.

Student poster prize sponsored by

OMRON

MEDICAL VISION DAY

THURSDAY 3 JUNE 2004

- 08.00** Registration, exhibition, demonstrations, coffee, and rolls.
- 09.00** Welcome and introduction.
Professor Knut Conradsen, IMM, DTU
- 09.10** Keynote address, Knowledge driven analysis of cardiovascular images.
Boudewijn P. F. Lelieveldt, Leiden University Medical Center, The Netherlands
- 10.00** On the M.Sc.(Eng) in medicine and technology.
Jørgen Arendt Jensen, Ørsted, DTU
- 10.15** Poster teasers.
- 10.25** Øresund IT - vision in the human-tech region.
Teresia Nilsson, Øresund IT Academy
- 10.30** Coffee, exhibitions, demonstrations.
- 11.00** Segmentation of medical images using active contours, level-sets and variational methods.
Anders Heyden, Maths, Lund University
- 11.20** Informatics in proteomics.
Ola Forsstrom-Olsson, Ludesi AB
- 11.40** Where are the opportunities for successful innovation in medical technology/image analysis today?
Morten Bro Nielsen, CapMan Invest
- 12.00** Lunch, exhibitions, demonstrations.
- 13.30** The Ladis Project - analysis of MR images in a European multicenter study.
Egill Rostrup, Danish MRCentre, H:S Hvidovre Hospital
- 13.50** Characterization and recognition of brain structure in MRI for diagnostic support.
Karl Skoglund, IMM, DTU
- 14.10** Bi-temporal 3D active appearance modelling with applications to unsupervised ejection fraction estimation from 4D cardiac MRI.
Mikkel B. Stegmann, IMM, DTU
- 14.30** Analysis of multi-slice myocardial perfusion MRI.
Hildur Ólafsdóttir, IMM, DTU
- 14.50** Medical Image Computing and Computer-Assisted Intervention. MICCAI 2006.
Bjarne K. Ersbøll, IMM, DTU
- 15.00** Coffee, exhibitions, demonstrations.
- 15.30** Modelling articular cartilage.
Erik Dam, IT-University Copenhagen
- 15.50** Quantizing calcification in the lumbar aorta on 2D lateral x-ray images using inpainting techniques.
Lars Arne Conrad-Hansen, IT-University Copenhagen
- 16.10** Poster prize, discussion and closing remarks.
Bjarne K. Ersbøll, IMM, DTU
- 16.20** Exhibition, demonstrations, refreshments.
- 17.00** The Medical Visionday ends.

Student poster prize sponsored by

CapMan

The Private Equity Investor

GRAPHICAL VISION DAY

FRIDAY 4 JUNE 2004

- 08.00** Registration, exhibition, demonstrations, coffee, and rolls.
- 09.00** Welcome and Introduction.
Professor Knut Conradsen, IMM, DTU
- 09.10** Towards Event Driven Animation.
Alan Watt, University of Sheffield
- 09.55** Coffee, exhibition, demonstrations.
- 10.10** Pathfinding and Boids.
Michael Holm, IO Interactive
- 10.40** City Rendering in Gangland.
Henrik Münther, Media Mobsters
- 11.10** Coffee, exhibition, demonstrations.
- 11.20** General-Purpose Computation on GPUs.
Mark Harris, NVIDIA Developer Technology
- 12.05** Øresund IT - vision in the human-tech region.
Teresia Nilsson, Øresund IT Academy
- 12.10** Lunch, exhibition, demonstrations.
- 13.15** OpenTissue: An open-source library for physics-based animation.
Kenny Erleben, DIKU
- 13.40** Form and Light: Computer Graphics Research at IMM.
Andreas Bærentzen, IMM, DTU
- 14.00** Coffee, exhibition, demonstrations.
- 14.10** Uncharted territory: the road from research subject to in-game feature.
Rune Vendler, Lionhead Studios
- 14.50** Shadow Generation Hardware.
Tomas Möller, Lunds Tekniska Högskola
- 15.20** Coffee, cake, exhibition, demonstrations
- 15.40** Mixed Reality system for tracking of 1:100 scale buildings in a town planning scenario.
Roy Davies, Lunds Tekniska Högskola
- 16.05** Computational Steering on the GRID: Using a 3D model to interact with a large scale distributed simulation in real time.
Michael Grønager, VR-C
- 16.30** Coffee, exhibition, demonstrations.
- 16.40** Poster prize, discussion and closing remarks.
Andreas Bærentzen, IMM, DTU
- 17.20** Exhibition, demonstrations, refreshments.
- 18.00** The Graphical Visionday ends.

Student poster prize sponsored by

