Publications:

Development of a New Fractal Algorithm to Predict Quality Traits of MRI Loins
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Foreign object detection in multispectral X-ray images of food items using sparse discriminant analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Lederlønsundersøgelse - Lønberegner til BUPL
Publication: Research › Report – Annual report year: 2017

Outlier Detection in End-User Performance Monitoring - Smart Innovation.
Publication: Research › Report – Annual report year: 2017

Prediction of pork quality parameters by applying fractals and data mining on MRI
Publication: Research - peer-review › Journal article – Annual report year: 2017

Simulering af Lokalebehov i 2025
Publication: Research › Report – Annual report year: 2017

Sparse supervised principal component analysis (SSPCA) for dimension reduction and variable selection
Publication: Research - peer-review › Journal article – Annual report year: 2017

Statistical modelling of space-time processes with application to wind power.
Publication: Research › Ph.D. thesis – Annual report year: 2017

Image Analysis for X-ray Imaging of Food
Publication: Research › Ph.D. thesis – Annual report year: 2016

Lederundersøgelse - Lønberegning
Publication: Research › Report – Annual report year: 2016

Muscle wound healing in rainbow trout (Oncorhynchus mykiss)
Publication: Research - peer-review › Journal article – Annual report year: 2016

Novelty detection of foreign objects in food using multi-modal X-ray imaging
Publication: Research - peer-review › Journal article – Annual report year: 2016
Parking guidance: Summary report
Publication: Research › Report – Annual report year: 2016

Analysis of data from the MariCare Smartfloor at Skovhuset Care Home
Publication: Research › Report – Annual report year: 2016

Big Data fra jord til bord
Publication: Communication › Report – Annual report year: 2015

Computer-aided diagnosis of pulmonary diseases using x-ray darkfield radiography
Publication: Research - peer-review › Journal article – Annual report year: 2015

Evaluation of acceptance sampling related to sealing plug and pipe stub.
Publication: Communication › Report – Annual report year: 2015

Model for Tamplmp-DeltaSigmaH Interaction.
Publication: Communication › Report – Annual report year: 2015

Multivariate Analysis Techniques for Optimal Vision System Design
Publication: Research › Ph.D. thesis – Annual report year: 2015

Revising an OECD Test Guideline on toxicity in aquatic environments
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

SigmaH for Switches and Crossings
Publication: Communication › Report – Annual report year: 2015

Analysis of micro-structure in raw and heat treated meat emulsions from multimodal X-ray microtomography
Publication: Research - peer-review › Journal article – Annual report year: 2014

Can We Find Organic Materials in Food Using X-rays?
Publication: Research - peer-review › Poster – Annual report year: 2014

DTU's undersøgelse af lav adhæsion / glatte skinner for Transportministeriet og DSB
Publication: Commissioned › Report – Annual report year: 2014

How do student evaluations of courses and of instructors relate?
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Hyperspectral imaging based on diffused laser light for prediction of astaxanthin coating concentration
Publication: Research - peer-review › Journal article – Annual report year: 2013

Optimering af billetkontrol.
Publication: Communication › Report – Annual report year: 2014

Segmentation of Connective Tissue in Meat from Microtomography Using a Grating Interferometer
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Short mandible - a possible risk factor for cleft palate with/without a cleft lip
Publication: Research - peer-review › Journal article – Annual report year: 2014
Status for NEXIM New X-ray Imaging Modalities for safe and high quality food
Publication: Research - peer-review › Report chapter – Annual report year: 2014

Study Delay
Publication: Research › Report – Annual report year: 2014

Supervised feature selection for linear and non-linear regression of Lab color from multispectral images of meat
Publication: Research - peer-review › Journal article – Annual report year: 2014

Class 4 Defects
Publication: Research › Report – Annual report year: 2013

Contextual Multivariate Segmentation of Pork Tissue from Grating-Based Multimodal X-Ray Tomography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

DCT-Based Characterization of Milk Products Using Diffuse Reflectance Images
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Effects of mid-term student evaluations of teaching as measured by end-of-term evaluations: An empirical study of course evaluations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Improvement of the ΔσH Model
Publication: Research › Report – Annual report year: 2013

Multispectral Image Analysis for Robust Prediction of Astaxanthin Coating
Publication: Research - peer-review › Journal article – Annual report year: 2013

Optimal vision system design for characterization of apples using US/VIS/NIR spectroscopy data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

PorkCAD: Case study of the design of a pork product prototyper
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Quantitative Analysis of Micro-Structure in Meat Emulsions from Grating-Based Multimodal X-Ray Tomography
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Quantitative assessment of course evaluations
Publication: Research › Ph.D. thesis – Annual report year: 2014

Statistical Quality Assessment of Pre-fried Carrots Using Multispectral Imaging
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Text mining in students' course evaluations: Relationships between open-ended comments and quantitative scores
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Using Multispectral Imaging for Spoilage Detection of Pork Meat
Publication: Research - peer-review › Journal article – Annual report year: 2014
Wound healing in rainbow trout (Oncorhynchus mykiss) and common carp (Cyprinus carpio): with a focus on gene expression and wound imaging
Publication: Research › Ph.D. thesis – Annual report year: 2014

Automatic Quality Measurement and Parameter Selection for Example-based Texture Synthesis
Publication: Research › Report – Annual report year: 2012

Classification of Astaxanthin Colouration of Salmonid Fish using Spectral Imaging and Tricolour Measurement
Publication: Research › Report – Annual report year: 2012

Developmental toxicity effects in experimental animals after mixed exposure to endocrine disrupting pesticides
Publication: Research › Report – Annual report year: 2012

Matching Two-dimensional Gel Electrophoresis’ Spots
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Multispectral Image Analysis for Astaxanthin Coating Classification
Publication: Research - peer-review › Journal article – Annual report year: 2012

Multivariate image analysis for quality inspection in fish feed production
Publication: Research › Ph.D. thesis – Annual report year: 2012

Near-Infrared Hyper-spectral Image Analysis of Astaxanthin Concentration in Fish Feed Coating
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Realistic Virtual Cuts
Publication: Research › Ph.D. thesis – Annual report year: 2012

Registration-based Interpolation Real-Time Volume visualization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Regression and Sparse Regression Methods for Viscosity Estimation of Acid Milk From it’s Sis Features
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Anisotropic 3D texture synthesis with application to volume rendering
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Classification Methods for CT-Scanned Carcass Midsections: A Study of Noise Stability
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Publication: Research › Article in proceedings – Annual report year: 2011
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Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Image Analysis of Pellet Size for a Control System in Industrial Feed Production
Publication: Research - peer-review › Journal article – Annual report year: 2011

Multi-spectral Image Analysis for Astaxanthin Coating Classification
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

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Publication: Research - peer-review › Journal article – Annual report year: 2011

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

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Publication: Research - peer-review › Journal article – Annual report year: 2010

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Publication: Research › Ph.D. thesis – Annual report year: 2011

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Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2011

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Sparse discriminant analysis
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Publication: Research › Poster – Annual report year: 2011

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Publication: Research › Conference abstract for conference – Annual report year: 2011

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Publication: Research › Ph.D. thesis – Annual report year: 2010

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Publication: Research - peer-review › Journal article – Annual report year: 2010

Comparison of sparse point distribution models
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Publication: Research › Article in proceedings – Annual report year: 2010

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Publication: Research - peer-review › Journal article – Annual report year: 2010

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On parameterized deformations and unsupervised learning
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Publication: Research › Ph.D. thesis – Annual report year: 2009

Modeling the Biological Diversity of Pig Carcasses
Publication: Research › Ph.D. thesis – Annual report year: 2009

An Efficient Data-driven Tissue Deformation Model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

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Publication: Research › Report – Annual report year: 2009
Efficient Incorporation of Markov Random Fields in Change Detection
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

GazeTrain: A case study of an action oriented gaze-controlled game
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Publication: Research › Conference abstract in proceedings – Annual report year: 2009

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Publication: Communication › Journal article – Annual report year: 2009

Monitoring water content using multispectral imaging and NIR in a minced
Publication: Research › Conference abstract for conference – Annual report year: 2009

Quantification and validation of soft tissue deformation
Publication: Research › Article in proceedings – Annual report year: 2009

Shape and Texture Based Classification of Fish Species
Publication: Research - peer-review › Conference article – Annual report year: 2009

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Publication: Research - peer-review › Journal article – Annual report year: 2009

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Temporal reflectance changes in vegetables
Publication: Research › Article in proceedings – Annual report year: 2009

Virtual dissection of pig carcasses
Publication: Research - peer-review › Journal article – Annual report year: 2009

Analysis of Craniofacial Images using Computational Atlases and Deformation Fields
Publication: Research › Ph.D. thesis – Annual report year: 2008

Estimation of shape model parameters for 3D surfaces
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Independent histogram pursuit for segmentation of skin lesions
Publication: Research - peer-review › Journal article – Annual report year: 2008

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Publication: Research › Report – Annual report year: 2008

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A Method for Evaluating Treatment in Infants with Deformational Plagiocephaly
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007
A Point-Wise Quantification of Asymmetry Using Deformation Fields: Application to the Study of the Crouzon Mouse Model
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Automatic assessment of intrabdominal fat by MRI
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Automatic change detection and quantification of dermatological diseases with an application to psoriasis images
Publication: Research - peer-review › Journal article – Annual report year: 2007

Automatic Detection of Wild-type Mouse Cranial Sutures
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Classification of Biological Objects Using Active Appearance Modelling and Color Cooccurrence Matrices
Publication: Research - peer-review › Book chapter – Annual report year: 2007

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

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Publication: Communication › Journal article – Annual report year: 2007

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Publication: Research › Article in proceedings – Annual report year: 2007

KEYNOTE ADDRESS: Predicting clinical outcome from image derived morphological
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Palatal Surface Area of Maxillary Plaster Casts: A Comparison Between Two-Dimensional and Three-Dimensional Measurements
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Publication: Research - peer-review › Journal article – Annual report year: 2007

Quantifying Biological Variation
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

Robust Pose Estimation using the SwissRanger SR-3000 Camera
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

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Building a real-time digital face to map from speech to lip movements and facial expression
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Class Generation for Numerical Wind Atlases
Publication: Research - peer-review › Journal article – Annual report year: 2006

Collecting highly reproducible images to support dermatological medical diagnosis
Publication: Research - peer-review › Journal article – Annual report year: 2006

Coupled Shape Model Segmentation in Pig Carcasses
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

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Publication: Research › Article in proceedings – Annual report year: 2006

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

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Publication: Research › Article in proceedings – Annual report year: 2006

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Towards Describing Crouzon syndrome via a Craniofacial Atlas
Publication: Research › Article in proceedings – Annual report year: 2006
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Publication: Research › Article in proceedings – Annual report year: 2005

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Publication: Research - peer-review › Journal article – Annual report year: 2005

Deformable Models for Eye Tracking
Publication: Research › Article in proceedings – Annual report year: 2005

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Publication: Research › Ph.D. thesis – Annual report year: 2005

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Publication: Research › Article in proceedings – Annual report year: 2005

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research › Report – Annual report year: 2004

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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Publication: Research - peer-review › Journal article – Annual report year: 2004

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Publication: Research - peer-review › Report – Annual report year: 2003

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Publication: Research - peer-review › Report – Annual report year: 2003

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

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Publication: Research › Report – Annual report year: 2003

Quality and Analysis of Small Data Sets – A Statistical Point of View
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Publication: Research - peer-review › Article in proceedings – Annual report year: 2003

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Publication: Research › Ph.D. thesis – Annual report year: 2002

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Publication: Research - peer-review › Journal article – Annual report year: 2002

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Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

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Publication: Research › Report – Annual report year: 2001

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Publication: Research - peer-review › Journal article – Annual report year: 2000

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Publication: Research › Journal article – Annual report year: 2000

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Publication: Research - peer-review › Journal article – Annual report year: 2000

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Publication: Research - peer-review › Journal article – Annual report year: 2000

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Publication: Research - peer-review › Conference article – Annual report year: 2000

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1999

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On Modelling Corridors Between Areas of Remnant Vegetation
Publication: Research - peer-review › Report – Annual report year: 1996

Spatial Analysis of Multivariate, (Ir-)regularly Sampled Data: Geochemistry from the Eastern Erzgebirge: E.Y. Baafi and N.A. Schofield (Eds.)
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

Use of a Two-step Baysian Classifier to avoid Singularity and to Aid Interpretation
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

A simple contextual classifier
Publication: Research - peer-review › Article in proceedings – Annual report year: 1995

Differentiation between geogenic and anthropogenic influences on soils in a mining processing area - some alternatives
Publication: Research - peer-review › Article in proceedings – Annual report year: 1995

Estimation of Dense Image Flow Fields in Fluids
Publication: Research - peer-review › Report – Annual report year: 1995

Progress Report on EC Funded Project BRE2-CT201
Publication: Research - peer-review › Report – Annual report year: 1994

A new approach to differentiation between geogenic and anthropogenic influences on soils in a mining processing area
Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

Publication: Research - peer-review › Report – Annual report year: 1993

A randomized, double blind, placebo controlled, dose-response study of the analgesic effect of lornoxicam after surgical removal of mandibular third molars
Publication: Research - peer-review › Journal article – Annual report year: 1993

Aspects of analysis of multivariate, spatial data: Geochemistry from the Eastern Erzgebirge
Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

Publication: Research - peer-review › Report – Annual report year: 1993

Three different criteria for the design of two-dimensional zero phase FIR digital filters
Publication: Research - peer-review › Journal article – Annual report year: 1993

Automated grading of wood-slabs. The development of a prototype system
Publication: Research - peer-review › Journal article – Annual report year: 1992

Automatic screening of plain film mammography
Publication: Research - peer-review › Journal article – Annual report year: 1992

Automated Grading of Wood-slabs: The Development of a Prototype System
Publication: Research - peer-review › Report – Annual report year: 1991
Data dependent orthogonal transformations of multichannel image data. IMSOR
Publication: Research - peer-review › Journal article – Annual report year: 1991

Discriminant analysis of an integrated data base applied in uranium exploration
Publication: Research - peer-review › Journal article – Annual report year: 1991

Integration of multi-source data in mineral exploration
Publication: Research - peer-review › Article in proceedings – Annual report year: 1991

Noise removal in multichannel image data by a parametric maximum noise fraction estimator
Publication: Research - peer-review › Article in proceedings – Annual report year: 1991

Some results on analysis of mammograms
Publication: Research - peer-review › Article in proceedings – Annual report year: 1991

On the Design of Two-dimensional Zero Phase FIR Digital Filters
Publication: Research - peer-review › Report – Annual report year: 1990

Test Bed for Experimental Computer Vision. VIPWOB-memo 9003
Publication: Research - peer-review › Report – Annual report year: 1990

Variable selection in non-linear discriminant analysis. IMSOR, DTH
Publication: Research - peer-review › Journal article – Annual report year: 1990

VIPWOB-konceptet anvendt på IMSOR
Publication: Research › Article in proceedings – Annual report year: 1990

Opbygning af et vision-system til industriel kvalitetskontrol. Kompendium.
Publication: Research › Article in proceedings – Annual report year: 1989

Robotvision. Robotteknik: Anvendelser og udvikling
Publication: Research › Article in proceedings – Annual report year: 1989

Transformations and classifications of remotely sensed data. Theory and geological cases
Publication: Research › Ph.D. thesis – Annual report year: 1989

Determination of material properties by means of the GOP 300
Publication: Research - peer-review › Journal article – Annual report year: 1988

Textural features useful i classification of digital images
Publication: Research - peer-review › Article in proceedings – Annual report year: 1987

Automated analysis of linear features based on satellite imagery compared with geological setting
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

Automated identification of linear features in digital imagery
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

Billeder omsat i tal
Publication: Research - peer-review › Journal article – Annual report year: 1986
Comparison of visual and automated lineament analysis on landsat MSS image from south Greenland
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

Remote sensing used in mineral exploration in Greenland. Commission on thematic mapping from satellite imagery
Publication: Research - peer-review › Journal article – Annual report year: 1986

Statistical methods and remote sensing techniques applied in analysis of combined geodata
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

The use of additional variables in classification of image data
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

The use of remote sensing in mapping of oxidized zones and lineaments in Greenland
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

A comparison of min/max autocorrelation factor analysis and ordinary factor analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 1985

Analysis of Satellite imagery combined with geophysical and geochemical measurements
Publication: Research - peer-review › Article in proceedings – Annual report year: 1985

Simultaneous analysis of imagery of different origin
Publication: Research - peer-review › Article in proceedings – Annual report year: 1985

A dynamic test method for the thermal performance of small houses
Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

Prediction of high tides in the Baltic Sea, IMSOR research
Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

Tidsrækkeanalyse af vandstande fra Østersøen omkring Lolland-Falster
Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

Projects:

Development and implementation of high-dimensional normal behavior areas for citizens with dementia, in proactive care at nursing homes
Project: PhD

Big Data Processing and shaping in SeaStatus
Project: PhD

Big Data Analysis on Food Supply Chain Data
Project: PhD

Big Data Analytics with special emphasis on Food Supply Chain Data
Project: PhD

Big Data Analytics with special emphasis on Food Supply Chain Data(2/2)
Project: PhD
Big Data Analytics with special emphasis on Food Supply Chain data
Project: PhD

Machine Learning as a Service
Project: PhD

Visualization, Analysis and Modelling of On-street Parking Data
Project

Automated NIR management
Project: PhD

Impact Assessment of University Research
Project: PhD

Methods and tools for the statistical data analysis for large datasets collected from bio-based manufacturing processes
Project: PhD

Intelligent Quality Assessment of Railway Switches and Crossings
Project

Intelligent Quality Assessment of Railway Switches and Crossings (INTELLISWITCH)
Project

COMPUTE Software Group
Project

Smart Innovation: Parking Guidance
Project

Statistical modelling of space-time processes with
Project: PhD

Image Analysis for X-ray Imaging of Food
Project: PhD

Monitoring Animal Wellbeing
Project: PhD

Multivariate Analysis Techniques for Optimal Vision System Design
Project: PhD

Control & Surveillance of Automated Production Steps (a part of the inSPIRe Food)
Project

Multivariate Analysis Techniques for Optimal Vision Design
Project: PhD

Short range modelling of Culicoides dispersal
Project: PhD
Quantitative assessment of course evaluation  
Project: PhD

Development and Application of Image Analysis and Multivariate Statistics in Industrial Aquaculture Feed Production  
Project: PhD

Applying image analysis as a new tool for understanding the processes behind dermal tissue damage and regeneration  
Project: PhD

Towards the Interactive ESS-Food Catalogue  
Project: PhD

Cranio-facial growth modelling  
Project: PhD

Statistical Analysis of stochastic fluorescence data in biology and biophysics  
Project: PhD

New vision technology for multidimensional quality monitoring of food processes  
Project: PhD

Online CT-scanning af slættesvin  
Project: PhD

Advanced Methods for Biological Shape Analysis  
Project: PhD

Data-analyse i sparse, høj-dimensionale rum  
Project: PhD

Multimodal Neuroaktivitetsanalyse  
Project: PhD

Godkendelse og sporing af tømmerstokke ved 3D-billedbehandling  
Project: PhD

Modellering af biologisk diversitet hos grise  
Project: PhD

Modeling the Effects of Drugs Targetes to Tumor Vasculature using MRI  
Project: PhD

Dynamical Shape analysis  
Project: PhD

Modeling of Animate Object Contours, Surfaces, Regions  
Project: PhD

System design for vision based dermatological measurement  
Project: PhD
System design for vision-based dermatological measurements  
Project: PhD

Statistical Image Segmentation in 3D and 4D  
Project: PhD

FACE- Facial Analysis, Coding and Estimation  
Project: PhD

3D/4D Image Analysis  
Project: PhD

Novelty detection in video and image signals  
Project: PhD

3D Shape Analysis of The Craniofacial Anomaly in Children With Cleft Lip and Palate  
Project

Intelligent, Interactive Templates and their Application to 3D Medical Modelling  
Project: PhD

Signal and Image Processing for Telemedicine (SITE).  
Project

Modelling of the geoid and the north Atlantic Sea level  
Project: PhD

The GEOid and Sea level Of the North Atlantic Region (GEOSONAR). Project no.: 1217, Ph.D-student Klaus Baggesen Hilger  
Project

Analysis of two-dimensional electrophoresis images. Project no.: 1276, Ph.D-student Lars Pedersen  
Project

Analysis of two-dimensional electrophoresis images  
Project: PhD

Forbedring af Videobilledsekvenser  
Project

Analysis and Extensions of the n-Tuple Classifier with Implications for Ensembles  
Project: PhD

Object measurement. Project no.: 1215, Ph.D-student Claus Gramkow.  
Project

Benthiske samfunds stokastiske geometri  
Project: PhD
BioSonar (EU project MA53-CT95-0026)

Project

Does pigmentation protect against ultraviolet B induced immunosuppression?

Project

Estimation and quantification of digitised craniofacial X-rays

Project

Quality Improvement of Drug Therapy for Asthma Patients - Evaluation of a Co-operative Danish Programme

Project

Activities:

Introduction to Applied Statistics with R for PhD Students

Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities