Research outputs:

Analysis of MRI by fractals for prediction of sensory attributes: A case study in loin
Research output: Research - peer-review › Journal article – Annual report year: 2018

Comparison of different image analysis algorithms on MRI to predict physico-chemical and sensory attributes of loin
Research output: Research - peer-review › Journal article – Annual report year: 2018

SpaSM: A MATLAB Toolbox for Sparse Statistical Modeling
Research output: Research - peer-review › Journal article – Annual report year: 2018

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

DTU Employee Satisfaction Survey 2017 - importance analysis
Research output: Research › Report – Annual report year: 2018

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

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

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

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

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

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

Statistical modelling of space-time processes with application to wind power.
Research output: Research › Ph.D. thesis – Annual report year: 2017
Image Analysis for X-ray Imaging of Food

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

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

Novelty detection of foreign objects in food using multi-modal X-ray Imaging
Research output: Research › peer-review › Journal article – Annual report year: 2016

Parking guidance: Summary report
Research output: Research › Report – Annual report year: 2016

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

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

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

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

Model for TampImp-DeltaSigmaH Interaction.
Research output: Communication › Report – Annual report year: 2015

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

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

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

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

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

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

How do student evaluations of courses and of instructors relate?
Research output: Research › peer-review › Article in proceedings – Annual report year: 2014
Hyperspectral imaging based on diffused laser light for prediction of astaxanthin coating concentration
Research output: Research - peer-review › Journal article – Annual report year: 2013

Optimizing of billetkontrol.
Research output: Communication › Report – Annual report year: 2014

Segmentation of Connective Tissue in Meat from Microtomography Using a Grating Interferometer
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2014

Status for NEXIM New X-ray Imaging Modalities for safe and high quality food
Research output: Research - peer-review › Journal article – Annual report year: 2014

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

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

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

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

DCT-Based Characterization of Milk Products Using Diffuse Reflectance Images
Research output: 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
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

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

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

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

PorkCAD: Case study of the design of a pork product prototyper
Research output: 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
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013
Quantitative assessment of course evaluations
Research output: Research › Ph.D. thesis – Annual report year: 2014

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

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

Using Multispectral Imaging for Spoilage Detection of Pork Meat
Research output: Research - peer-review › Journal article – Annual report year: 2014

Workshop on Farm Animal and Food Quality Imaging 2013: Espoo, Finland, June 17, 2013, Proceedings
Research output: Research › Report – Annual report year: 2013

Wound healing in rainbow trout (Oncorhynchus mykiss) and common carp (Cyprinus carpio): with a focus on gene expression and wound imaging
Research output: Research › Ph.D. thesis – Annual report year: 2014

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

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

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

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

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

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

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

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

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

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

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

Computed Tomography in the Modern Slaughterhouse
Research output: Research › Ph.D. thesis – Annual report year: 2012

Deliverable 3.1: Sampling protocols for inorganic ENP from at least 3 matrices (meat, soup, olive oil)
Research output: Commissioned › Report – Annual report year: 2011

Determination of astaxanthin concentration in Rainbow trout (Oncorhynchus mykiss) by multispectral image analysis.
Research output: Research › Conference abstract for conference – Annual report year: 2011

Direct arithmetic method versus statistical way of estimating weighted prevalences and confidence intervals: based on a method developed in connection to the DRUID roadside surveys
Research output: Research › Article in proceedings – Annual report year: 2011

Does an association between student evaluations of related CDIO courses exist?
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

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

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

Multispectral Imaging for Determination of Astaxanthin Concentration in Salmonids
Research output: Research - peer-review › Journal article – Annual report year: 2011

Multispectral imaging of wok fried vegetables
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

New Approach for Segmentation and Quantification of Two-Dimensional Gel Electrophoresis Images
Research output: Research - peer-review › Journal article – Annual report year: 2010

New vision technology for multidimensional quality monitoring of food processes
Research output: Research › Ph.D. thesis – Annual report year: 2011

Project Supervision - An Engineering Approach
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2011

Project Supervision – An Engineering Approach
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Scandinavian Workshop on Imaging Food Quality 2011: Ystad, May 27, 2011 - Proceedings
Research output: Research › Report – Annual report year: 2011

Sparse discriminant analysis
Research output: Research - peer-review › Journal article – Annual report year: 2011
β-glucans accelerate the closing of open wounds in carp, Cyprinus carpio
Research output: Research › Poster – Annual report year: 2011

Trigeminal nerve injury associated with injection of local anesthetics: Needle lesion or neurotoxicity?
Research output: Research › peer-review › Journal article – Annual report year: 2011

Using Image Analysis On Standardised Full-Thickness Wounds In Scattered Mirror Carp (Cyprinus Carpio) As A Model For Wound Healing
Research output: Research › Conference abstract for conference – Annual report year: 2011

Visual effects of beta-glucans on wound healing in fish
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2011

Visual effects of β-glucans on wound healing in fish
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 2011

Visualizing wound healing in fish
Research output: Research › Poster – Annual report year: 2011

A comparison of dimension reduction methods with application to multi-spectral images of sand used in concrete
Research output: Research › peer-review › Journal article – Annual report year: 2010

Analysis of Astaxanthin In Fish Feed Pellets
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Canonical correlation analysis of course and teacher evaluation
Research output: Research › peer-review › Article in proceedings – Annual report year: 2010

Comparison of sparse point distribution models
Research output: Research › peer-review › Journal article – Annual report year: 2010

Effects of beta-glucans on wound healing in carp, Cyprinus carpio
Research output: Research › Article in proceedings – Annual report year: 2010

Image Analysis of Wound Healing in Fish
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Mammary gland whole mount evaluation
Research output: Research › peer-review › Journal article – Annual report year: 2010

Overcoming trends in irregularly spaced locations by regional polish - exemplified by estimation of the range of influence between Salmonella Dublin-seropositive cattle herds
Research output: Research › peer-review › Journal article – Annual report year: 2010

Spatial modelling of the between-herd infection dynamics of bovine virus diarrhoea virus (BVDV) in dairy herds in Denmark
Research output: Research › peer-review › Journal article – Annual report year: 2010

An Efficient Data-driven Tissue Deformation Model
Research output: Research › peer-review › Article in proceedings – Annual report year: 2009
Efficient Incorporation of Markov Random Fields in Change Detection
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

GazeTrain: A case study of an action oriented gaze-controlled game
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Image analysis and multivariate statistics in production of aquaculture feed
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Kvalitet afhænger af måling og modellering
Research output: Communication › Journal article – Annual report year: 2009

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

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

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

Similarity-based Fisherfaces
Research output: Research - peer-review › Journal article – Annual report year: 2009

Simulation of the K-function in the analysis of spatial clustering for non-randomly distributed locations-Exemplified by bovine virus diarrhea virus (BVDV) infection in Denmark
Research output: Research - peer-review › Conference article – Annual report year: 2009

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

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

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

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

Sparse Discriminant Analysis
Research output: Research › Report – Annual report year: 2008

A method for comparison of growth media in objective identification of Penicillium based on multi-spectral imaging
Research output: Research - peer-review › Journal article – Annual report year: 2007
A Method for Evaluating Treatment in Infants with Deformational Plagiocephaly
Research output: 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
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Automatic assessment of intrabdominal fat by MRI
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2007

Automatic Detection of Wild-type Mouse Cranial Sutures
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Classification of Biological Objects Using Active Appearance Modelling and Color Cooccurrence Matrices
Research output: Research - peer-review › Book chapter – Annual report year: 2007

Computational mouse atlases and their application to automatic assessment of craniofacial dysmorphology caused by the Crouzon mutation Fgfr2
Research output: Research - peer-review › Journal article – Annual report year: 2007

Craniofacial Statistical Deformation Models of Wild-type mice and Crouzon mice
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Estimation of independent non-linear deformation modes for analysis of craniofacial malformations in crouzon mice
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Hvordan skal svinet skæres?
Research output: Communication › Journal article – Annual report year: 2007

Individual discriminative face recognition models based on subsets of features
Research output: Research › Article in proceedings – Annual report year: 2007

KEYNOTE ADDRESS: Predicting clinical outcome from image derived morphological
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2007

Precise acquisition and unsupervised segmentation of multi-spectral images
Research output: Research - peer-review › Journal article – Annual report year: 2007

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

Robust Pose Estimation using the SwissRanger SR-3000 Camera
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007
Robust Pseudo-Hierarchical Support Vector Clustering
Research output: Research - peer-review | Article in proceedings – Annual report year: 2007

Sparse Statistical Deformation Model for the Analysis of Craniofacial Malformations in the Crouzon Mouse
Research output: Research - peer-review | Article in proceedings – Annual report year: 2007

Surface-to-surface registration using level sets
Research output: Research - peer-review | Article in proceedings – Annual report year: 2007

Texture Enhanced Appearance Models
Research output: Research - peer-review | Journal article – Annual report year: 2007

A Comparison of FFD-based Nonrigid Registration and AAMs Applied to Myocardial Perfusion MRI
Research output: Research - peer-review | Article in proceedings – Annual report year: 2006

Automatic Assessment of Global Craniofacial Differences between Crouzon mice and Wild-type mice in terms of the Cephalic Index
Research output: Research - peer-review | Article in proceedings – Annual report year: 2006

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

Characterization of pre- and postoperative macular holes from retinal OCT
Research output: Research - peer-review | Article in proceedings – Annual report year: 2006

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

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

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

Creating surface chemistry maps using multispectral vision technology
Research output: Research | Article in proceedings – Annual report year: 2006

Diagnosis of Connective Tissue Disorders based on Independent Component Analysis of Aortic Shape and Motion from 4D MR Images
Research output: Research - peer-review | Article in proceedings – Annual report year: 2006

MICCAI ´06 - Workshop on Biophotonics Imaging for Diagnostics and Treatment, October 6, 2006 proceedings, 9th MICCAI Conference
Research output: Research - peer-review | Report – Annual report year: 2006

Multispectral recordings and analysis of psoriasis lesions
Research output: Research | Article in proceedings – Annual report year: 2006

Registration and shape modelling of porcine bone structures via CT
Research output: Research - peer-review | Article in proceedings – Annual report year: 2006
Towards Describing Crouzon syndrome via a Craniofacial Atlas
Research output: Research › Article in proceedings – Annual report year: 2006

A combined alignment and registration scheme of lesions with psoriasis
Research output: Research - peer-review › Journal article – Annual report year: 2005

A face recognition algorithm based on multiple individual discriminative models
Research output: Research › Article in proceedings – Annual report year: 2005

Calcium mobilization stimulates Dictyostelium discoideum shear-flow induced cell motility
Research output: Research - peer-review › Journal article – Annual report year: 2005

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

Development of an image based system to objectively score the severity of phoriasis
Research output: Research › Ph.D. thesis – Annual report year: 2005

Estimation of Critical Parameters in Concrete Production Using Multispectral Vision Technology
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Heuristics for speeding up gaze estimation
Research output: Research › Article in proceedings – Annual report year: 2005

Segmentation for object-based Video of gaze Communication
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Segmentation of object-based video of gaze communication
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Towards emotion modeling based on gaze dynamics in generic interfaces
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Generative Interpretation of Medical Images
Research output: Research › Ph.D. thesis – Annual report year: 2004

A library of 7TM receptor C-terminal tails - Interactions with the proposed post-endocytic sorting proteins ERM-binding phosphoprotein 50 (EBP50), N-ethylmaleimide-sensitive factor (NSF), sorting nexin 1 (SNX1), and G protein-coupled receptor-associated sorting protein (GASP)
Research output: Research - peer-review › Journal article – Annual report year: 2004

Analysis of time-varying psoriasis lesion image patterns
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

An image based system to automatically and objectively score the degree of redness and scaling in psoriasis lesions.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Automatic scoring of the severity of psoriasis scaling
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Methods for Measurement and Analysis of Craniofacial Morphology and Growth in Children with Cleft Lip and Palate
Research output: Research › Ph.D. thesis – Annual report year: 2004
Multi-set multi-temporal canonical analysis of psoriasis images
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Precise Multi-Spectral Dermatological Imaging
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

S.H.A.R.P: A smart Hierarchical Algorithm to Register Psoriasis
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Structure in Biocrystallograms: A Computer Vision Pilot Study
Research output: Research › Report – Annual report year: 2004

Wedgelet Enhanced Appearance Models
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Wrist stability after experimental traumatic triangular fibrocartilage complex lesions
Research output: Research - peer-review › Journal article – Annual report year: 2004

A combined alignment and registration scheme of psoriasis lesion images
Research output: Research - peer-review › Report – Annual report year: 2003

A hierarchical classification scheme of psoriasis images
Research output: Research - peer-review › Report – Annual report year: 2003

Antibacterial drug use for treatment of mastitis in Danish dairy cows
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Building an Image-Based System to automatically Score psoriasis
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Change detection in registered psoriasis lesion image patterns
Research output: Research › Report – Annual report year: 2003

Change detection in registered psoriasis lesions image patterns
Research output: Research › Article in proceedings – Annual report year: 2003

Diagnostic decision rule for support in clinical assessment of the need for surgical intervention in horses with acute abdominal pain
Research output: Research - peer-review › Journal article – Annual report year: 2003

Epidemiological Studies Based on Small Sample Sizes – A Statistician's Point of View
Research output: Research - peer-review › Journal article – Annual report year: 2003

FAME - A Flexible Appearance Modelling Environment
Research output: Research - peer-review › Journal article – Annual report year: 2003

Illumination correction from psoriasis image data
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003
Illumination correction in psoriasis lesions images
Research output: Research - peer-review › Report – Annual report year: 2003

Principal component analysis of psoriasis lesions images
Research output: Research › Report – Annual report year: 2003

Quality and Analysis of Small Data Sets – A Statistical Point of View
Research output: Research › Conference article – Annual report year: 2003

Texture alteration detection in bitemporal images of lesions with psoriasis
Research output: Research › Report – Annual report year: 2003

Third CAFIA Meeting, Computer Assisted Fundus Image Analysis, Torino, Italy
Research output: Research - peer-review › Journal article – Annual report year: 2003

Uncovering multivariate structure between milk productions variables and udder health variables using canonical correlations
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Exploratory Analysis of Multivariate Data (Unsupervised Image Segmentation and Data Driven Linear and Nonlinear Decomposition)
Research output: Research › Ph.D. thesis – Annual report year: 2002

A Contextual Classifier That Only Requires One Prototype Pixel for Each Class
Research output: Research - peer-review › Journal article – Annual report year: 2002

Building and Testing a Statistical Shape Model of the Human Ear Canal
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Deteccion de polipos en colonografias virtuales
Research output: Research › Article in proceedings – Annual report year: 2002

Estimacion de la direccion a la corteza cerebral a partir de imagines de resonancias magneticas
Research output: Research › Article in proceedings – Annual report year: 2002

Iterative extended mean shift algorithm
Research output: Research › Article in proceedings – Annual report year: 2002

L1 Generalized Procrustes 2D Shape Alignment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Mean shift detection using active learning in dermatological images
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Statistical Analysis of Pseudomonas aeruginosa Biofilm Development: Impact of Mutations in Genes Involved In Twitching Motility, Cell-to-Cell Signaling, and Stationary-Phase Sigma Factor Expression
Research output: Research - peer-review › Journal article – Annual report year: 2002

Testing for Gender Related Size and Shape Differences of the Human Ear canal using Statistical methods
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002
A contextual classifier that only requires one prototype pixel for each class
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

A filter for local estimation of cluster centers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Analysis of directional data for Rockwool A/S
Research output: Research › Report – Annual report year: 2001

An initial training set generation scheme
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Biopersistence of synthetic mineral fibers as a predictor of chronic inhalation toxicity in rats
Research output: Research - peer-review › Journal article – Annual report year: 2001

Biopersistence of synthetic mineral fibers as a predictor of chronic intraperitoneal injection tumor response in rats
Research output: Research - peer-review › Journal article – Annual report year: 2001

Extending and applying active appearance models for automated, high precision segmentation in different image modalities
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Protein spot correspondence in two-dimensional electrophoresis gels
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Special issue selected papers from Statistical Methods for Image Processing
Research output: Research - peer-review › Journal article – Annual report year: 2001

Special issue selected papers, pattern recognition letters
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Experimental reproducibility in flow-chamber biofilms
Research output: Research - peer-review › Journal article – Annual report year: 2000

Kvalitetssikring af astmapatienters lægemiddelbehandling
Research output: Research › Journal article – Annual report year: 2000

Long-wave UVA offers partial protection against UVB-induced
Research output: Research - peer-review › Journal article – Annual report year: 2000

Quantification of biofilm structures by the novel computer program COMSTAT
Research output: Research - peer-review › Journal article – Annual report year: 2000

Quantitative measurement of changes in retinal vessel diameter in ocular fundus images
Research output: Research - peer-review › Conference article – Annual report year: 2000

Special issue selected papers, pattern recognition letters
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

Surface-bounded growth modeling applied to human mandibles
Research output: Research - peer-review › Journal article – Annual report year: 2000
Proceedings of The 11th Scandinavian Conference on Image Analysis
Research output: Research - peer-review › Book – Annual report year: 1999

Quantitative Measurement of Changes in Retinal Vessel Diameter in Ocular Fundus Images
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Estimation of Dense Image Flow Fields in Fluids
Research output: Research - peer-review › Journal article – Annual report year: 1998

Feasibility study for the "Viswood" project
Research output: Research - peer-review › Report – Annual report year: 1998

Fusion of SPOT XS and ortoPhoto Data using a Markov Random Field Model
Research output: Research › Article in proceedings – Annual report year: 1998

Application of Image Processing: Techniques and Geostatistical Methods to the Aerial Gamma-Ray Spectrometric and Aeromagnetic Survey Data of Wadi Al Miah - Wadi Ash Shalul, Central Eastern Desert, Egypt as an Aid to Geological Mapping and Mineral Exploration
Research output: Research - peer-review › Report – Annual report year: 1997

Research output: Research - peer-review › Journal article – Annual report year: 1997

On Fusion of High (Spatial) Resolution Greyscale Imagery with Low (Spatial) Resolution Color Imagery
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

On modelling corridors between areas of remnant vegetation
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

On modelling corridors between areas of remnant vegetation
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

On Spatio-temporal Kriging
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

Spatial analysis of multivariate, (lr-)regularly sampled data: Geochemistry of the eastern Ertzgebirge
Research output: Research › Article in proceedings – Annual report year: 1997

Temporal interpolation in Meteosat images
Research output: Research - peer-review › Report – Annual report year: 1997

A note on the Wool style Project (CWT80)
Research output: Research - peer-review › Report – Annual report year: 1996

A Simple Contextual Classifier
Research output: Research - peer-review › Article in proceedings – Annual report year: 1996

On Automatic Production of a Bushfire Mask from AVHRR Data
Research output: Research - peer-review › Report – Annual report year: 1996
On Fusion of High (spatial) resolution greyscale imagery with low (spatial) resolution colour imagery
Research output: Research - peer-review ▶ Report – Annual report year: 1996

On Modelling Corridors Between Areas of Remnant Vegetation
Research output: 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.)
Research output: Research - peer-review ▶ Article in proceedings – Annual report year: 1996

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

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

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

Progress Report on EC Funded Project BRE2-CT201
Research output: 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
Research output: Research - peer-review ▶ Article in proceedings – Annual report year: 1993

Research output: 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
Research output: Research - peer-review ▶ Journal article – Annual report year: 1993

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

Research output: Research - peer-review ▶ Report – Annual report year: 1993

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

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

Automatic screening of plain film mammography
Research output: Research - peer-review ▶ Journal article – Annual report year: 1992
Automated Grading of Wood-slabs: The Development of a Prototype System
Research output: Research - peer-review › Report – Annual report year: 1991

Data dependent orthogonal transformations of multichannel image data. IMSOR
Research output: Research - peer-review › Journal article – Annual report year: 1991

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

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

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

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

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

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

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

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

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

Robotvision. Robotteknik: Anvendelser og udvikling
Research output: Research - peer-review › Article in proceedings – Annual report year: 1989

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

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

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

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

Automated identification of linear features in digital imagery
Research output: Research - peer-review › Article in proceedings – Annual report year: 1986
Comparison of visual and automated lineament analysis on landsat MSS image from south Greenland
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 1986

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

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

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

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

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

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

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

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

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

Projects:

Prediction-based optimization of inventory for hiring out products - Smart Innovation
Project: Consultancy

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
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<tr>
<th>Project: PhD</th>
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<tr>
<td>Analysis and Extensions of the (n)-Tuple Classifier with Implications for Ensembles</td>
<td>Methods and tools for the statistical data analysis for large datasets collected from bio-based manufacturing processes</td>
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<td>Big Data Modelling with Applications to Airports</td>
<td>Big Data Modelling with special emphasis on Food Supply Chain Data</td>
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<tr>
<td>Automated NIR management</td>
<td>Big Data Analytics with special emphasis on Food Supply Chain Data</td>
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<td>Impact Assessment of University Research</td>
<td>Machine Learning as a Service</td>
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<td>Data-analysis of sparse, high-dimensional data</td>
<td>Intelligent Quality Assessment of Railway Switches and Crossings (INTELLISWITCH)</td>
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<td>Godkendelse og spor af fjernstyrte, ved 3D-søjlebehandling</td>
<td>Smart Innovation: Parking Guidance</td>
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<td>Machine Learning as a Service</td>
<td>Visualization, Analysis and Modelling of On-street Parking Data</td>
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<td>Statistical modelling of space-time processes with</td>
<td>Big Data Analytics with special emphasis on Food Supply Chain Data(1)</td>
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<td>Big Data Analytics with special emphasis on Food Supply Chain Data(2)</td>
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<td>System design for vision based dermatological measurement</td>
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<td>Methods and tools for the statistical data analysis for large datasets collected from bio-based manufacturing processes</td>
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</tbody>
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Multivariate Analysis Techniques for Optimal Vision System Design  
Project: PhD

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

Novelty detection in video and image signals  
Project: PhD

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

Analysis of two-dimensional electrophoresis images  
Project: PhD

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

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

Online CT-scanning of slægtesvin  
Project: PhD

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

3D/4D image analysis  
Project: PhD

Dynamical Shape analysis  
Project: PhD

Advanced Methods for Biological Shape Analysis  
Project: PhD

Quantitative assessment of course evaluation  
Project: PhD

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

Multimodal Neuroaktivitetsanalyse  
Project: PhD

Monitoring Animal Wellbeing  
Project: PhD

Cranio-facial growth modelling  
Project: PhD
Short range modelling of Culicoides dispersal  
Project: PhD

Towards the Interactive ESS-Food Catalogue  
Project: PhD

Modelling af biologisk diversitet hos grise  
Project: PhD

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

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

Benthiske samfunds stokastiske geometri  
Project: PhD

COMPUTE Software Group  
Project: Research

Intelligent Quality Assessment of Railway Switches and Crossings  
Project: Research

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

Does pigmentation protect against ultraviolet B induced immunosuppression?  
Project: Research

Estimation and quantification of digitised craniofacial X-rays  
Project: Research

3D Shape Analysis of The Craniofacial Anomaly In Children With Cleft Lip and Palate  
Project: Research

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

Forbedring af Videobilledsekvenser  
Project: Research

BioSonar (EU project MA53-CT95-0026)  
Project: Research

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

Analysis of two-dimensinal electrophoresis images. Project no.: 1276, Ph.D-student Lars Pedersen  
Project: Research
The GEOid and Sea level Of the North Atlantic Region (GEOSONAR). Project no.: 1217, Ph.D-student Klaus Baggesen Hilger
Project: Research

Signal and Image Processing for Telemedicine (SITE).
Project: Research

Activities:

Introduction to Applied Statistics with R for PhD Students
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities