Bjarne Kjær Ersbøll

Postal address:
Richard Petersens Plads
324, 281
2800
Kgs. Lyngby
Denmark
Email: bker@dtu.dk
Phone: 45253413
Web address: http://people.compute.dtu.dk/bker

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

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 TampImp-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 undersøgelser 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

Workshop on Farm Animal and Food Quality Imaging 2013: Espoo, Finland, June 17, 2013, Proceedings
Publication: 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  
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 › Report › Conference abstract for conference – 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 Sls Features  
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Anisotropic 3D texture synthesis with application to volume rendering  
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Classification Methods for CT-Scanned Carcass Midsections: A Study of Noise Stability  
Publication: Research › Report › Conference abstract in proceedings – Annual report year: 2011

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

Determination of astaxanthin concentration in Rainbow trout (Oncorhynchus mykiss) by multispectral image analysis.  
Publication: 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  
Publication: Research › Article in proceedings – Annual report year: 2011

Does an association between student evaluations of related CDIO courses exist?  
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

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

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

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

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

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

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

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

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

ß-glucans accelerate the closing of open wounds in carp, Cyprinus carpio
Publication: Research › Poster – Annual report year: 2011

Trigeminal nerve injury associated with injection of local anesthetics: Needle lesion or neurotoxicity?
Publication: 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
Publication: Research › Conference abstract for conference – Annual report year: 2011

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

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

Visualizing wound healing in fish
Publication: Research › Poster – Annual report year: 2011
Data analysis in high-dimensional sparse spaces: Large p, small n problems
Publication: Research › Ph.D. thesis – Annual report year: 2010

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

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

Canonical correlation analysis of course and teacher evaluation
Publication: Research › Article in proceedings – Annual report year: 2010

Comparison of sparse point distribution models
Publication: Research › Journal article – Annual report year: 2010

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

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

Mammary gland whole mount evaluation
Publication: Research › 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
Publication: Research › 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
Publication: Research › Journal article – Annual report year: 2010

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

Computer Vision for Timber Harvesting
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 › Article in proceedings – Annual report year: 2009

COGAIN2009 - "Gaze interaction for those who want it most": The 5th International Conference on Communication by Gaze Interaction. Under the auspices of The COGAIN Association, May 26, 2009 Proceedings, The Technical University of Denmark, The ITMAN Graduate School, Lyngby, Denmark
Publication: Research › Report – Annual report year: 2009

Efficient Incorporation of Markov Random Fields in Change Detection
Publication: Research › Article in proceedings – Annual report year: 2009
GazeTrain: A case study of an action oriented gaze-controlled game
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Image analysis and multivariate statistics in production of aquaculture feed
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

Kvalitet afhænger af måling og modellering
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

Similarity-based Fisherfaces
Publication: 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 diarrhoea virus (BVDV) infection in Denmark
Publication: Research - peer-review › Conference article – Annual report year: 2009

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

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

A method for comparison of growth media in objective identification of Penicillium based on multi-spectral imaging
Publication: Research - peer-review › Journal article – Annual report year: 2007

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
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007
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
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Classification of Biological Objects Using Active Appearance Modelling and Color Cooccurrence Matrices
Publication: 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
Publication: Research - peer-review › Journal article – Annual report year: 2007

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

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

Individual discriminative face recognition models based on subsets of features
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
Publication: Research - peer-review › Journal article – Annual report year: 2007

Precise acquisition and unsupervised segmentation of multi-spectral images
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

Robust Pseudo-Hierarchical Support Vector Clustering
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Sparse Statistical Deformation Model for the Analysis of Craniofacial Malformations in the Crouzon Mouse
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007
Surface-to-surface registration using level sets
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

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

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

Characterization of pre- and postoperative macular holes from retinal OCT
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

Creating surface chemistry maps using multispectral vision technology
Publication: 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
Publication: 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
Publication: Research - peer-review › Report – Annual report year: 2006

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

Registration and shape modelling of porcine bone structures via CT
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

A combined alignment and registration scheme of lesions with psoriasis
Publication: Research - peer-review › Journal article – Annual report year: 2005
A face recognition algorithm based on multiple individual discriminative models
Publication: Research › Article in proceedings – Annual report year: 2005

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

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

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

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

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

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

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

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

Generative Interpretation of Medical Images
Publication: 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)
Publication: Research - peer-review › Journal article – Annual report year: 2004

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

Automatic scoring of the severity of psoriasis scaling
Publication: 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
Publication: Research › Ph.D. thesis – Annual report year: 2004

Multi-set multi-temporal canonical analysis of psoriasis images
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

Precise Multi-Spectral Dermatological Imaging
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004
S.H.A.R.P: A smart Hierarchical Algorithm to Register Psoriasis
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

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

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

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

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

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

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

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

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

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

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

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

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

Illumination correction in psoriasis lesions images
Publication: Research - peer-review › Report – Annual report year: 2003

Principal component analysis of psoriasis lesions images
Publication: Research › Report – Annual report year: 2003
Analysis of directional data for Rockwool A/S
Publication: Research › Report – Annual report year: 2001

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

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

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

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

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

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

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

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

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

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

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

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

Surface-bounded growth modeling applied to human mandibles
Publication: Research › peer-review › Journal article – Annual report year: 2000

Proceedings of The 11th Scandinavian Conference on Image Analysis
Publication: Research › peer-review › Book – Annual report year: 1999

Quantitative Measurement of Changes In Retinal Vessel Diameter In Ocular Fundus Images
Publication: Research › peer-review › Article in proceedings – Annual report year: 1999
Estimation of Dense Image Flow Fields in Fluids
Publication: Research - peer-review › Journal article – Annual report year: 1998

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

Fusion of SPOT XS and ortoPhoto Data using a Markov Random Field Model
Publication: 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
Publication: Research - peer-review › Report – Annual report year: 1997

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

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

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

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

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

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

Temporal Interpolation in Meteosat Images
Publication: Research - peer-review › Report – Annual report year: 1997

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

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

On Automatic Production of a Bushfire Mask from AVHRR Data
Publication: Research - peer-review › Report – Annual report year: 1996

On Fusion of High (spatial) resolution greyscale imagery with low (spatial) resolution colour imagery
Publication: Research - peer-review › Report – Annual report year: 1996

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 Ertzgebirge
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(1/)
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 slagsvin
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?
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