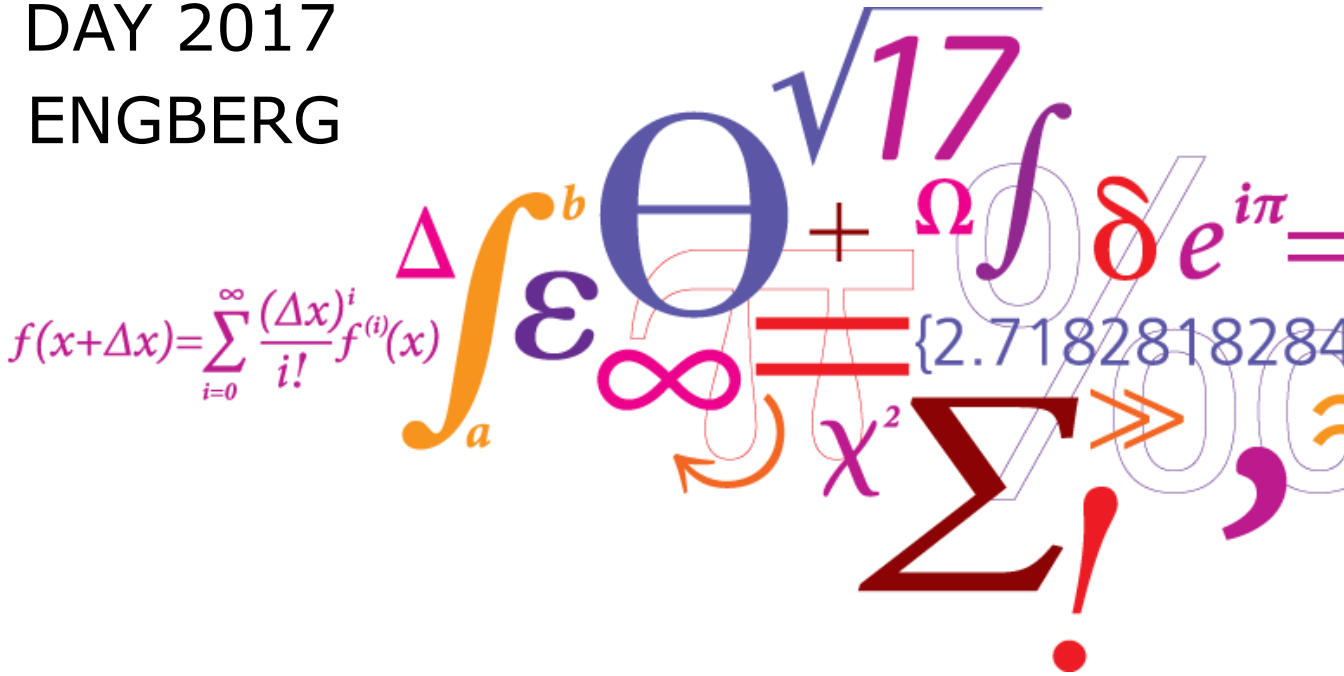
POSTER TEASERS

VISION DAY 2017

ASTRID ENGBERG



Poster comittee

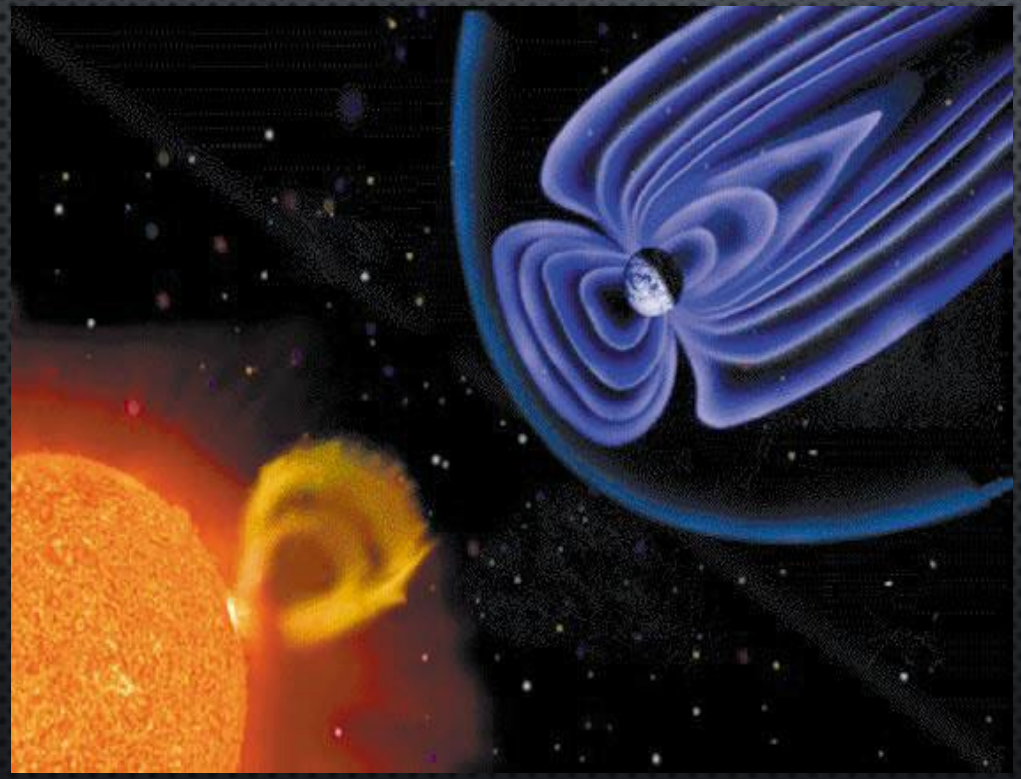
- 15 posters of students projects
- Poster competition
- Poster comittee
  - Peter Dahl, 3Shape
  - Henning Osholm, Associate Professor, KU
  - Anders Nymark Christensen

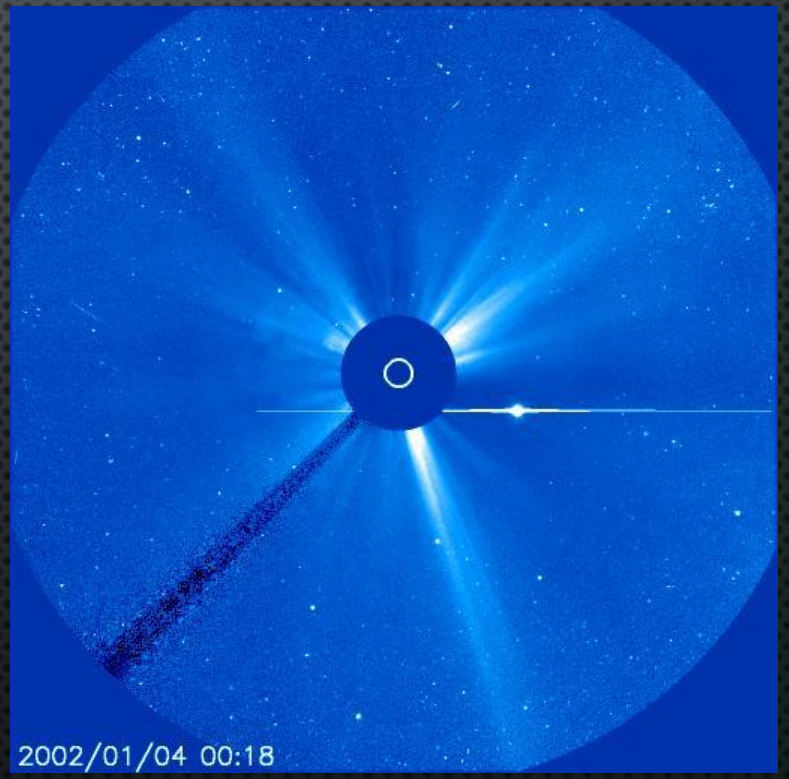
Lasse Lehman

HUNTING PLASMA FROM THE SUN

PROJECT TITLE: AUTOMATIC DETECTION AND CHARACTERIZATION OF CORONAL MASS EJECTIONS

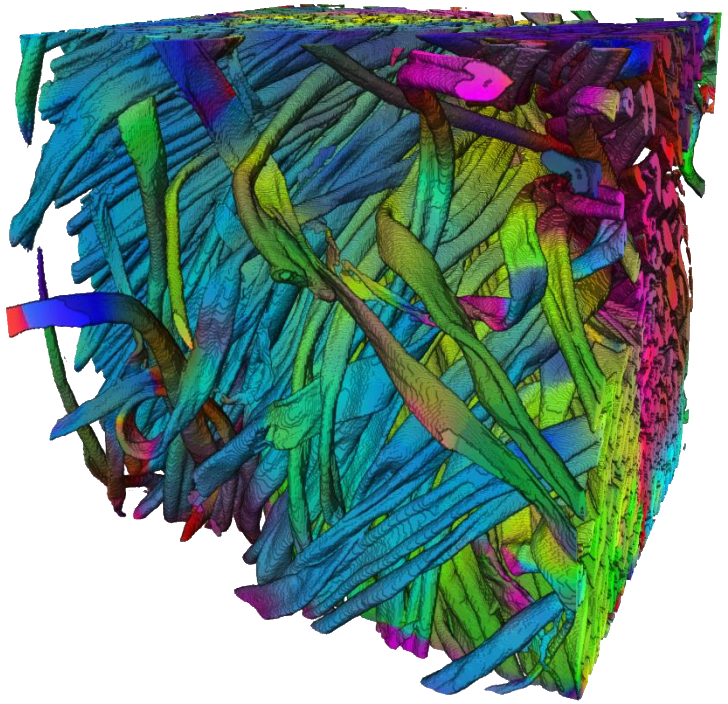
AUTHOR: LASSE LEHMANN

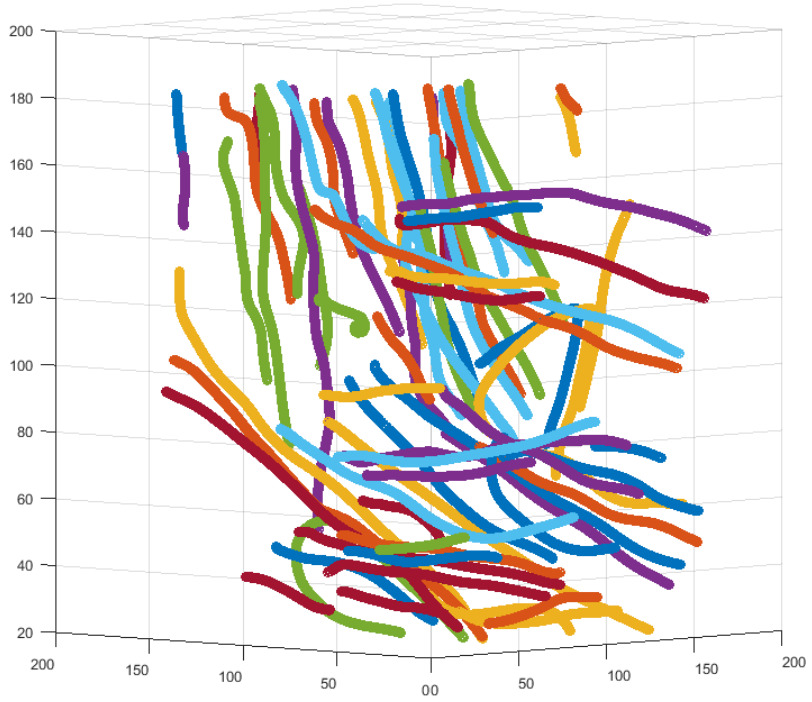




Benjamin Cordes

Characterization of Complex Fibre Structures Based on Fibre Tracking





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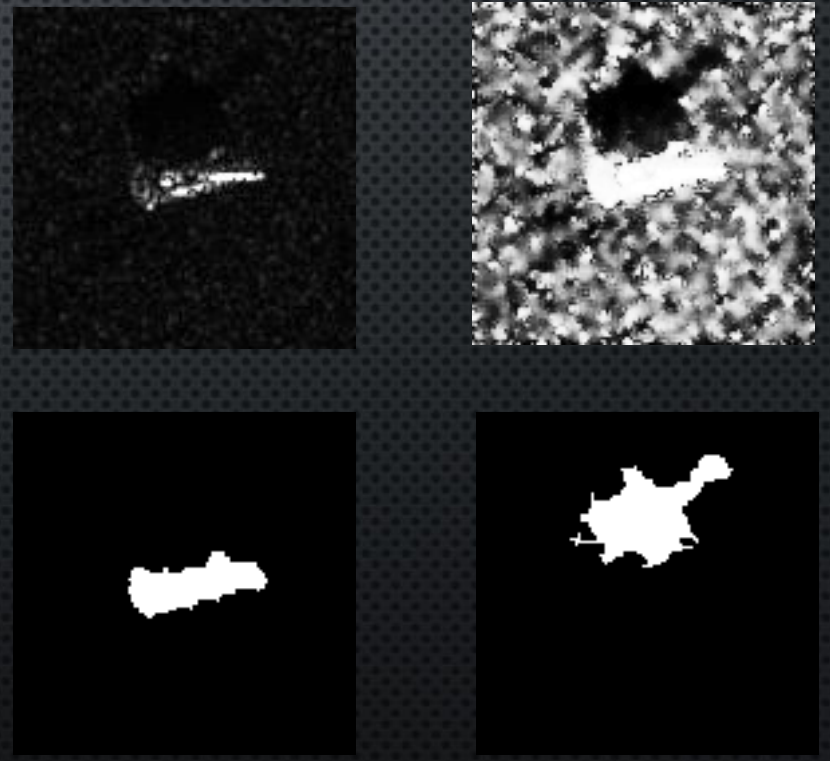
Christian Ingwersen, Harald Løvenskjold, Kasper Rolsted

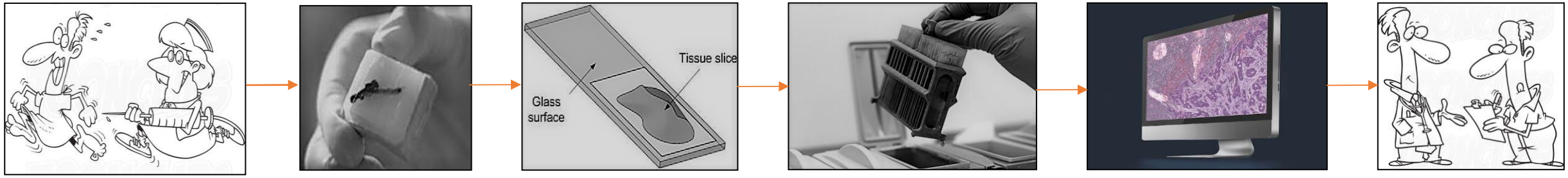
Classification of military vehicles in SAR images



Isabel Jepsen

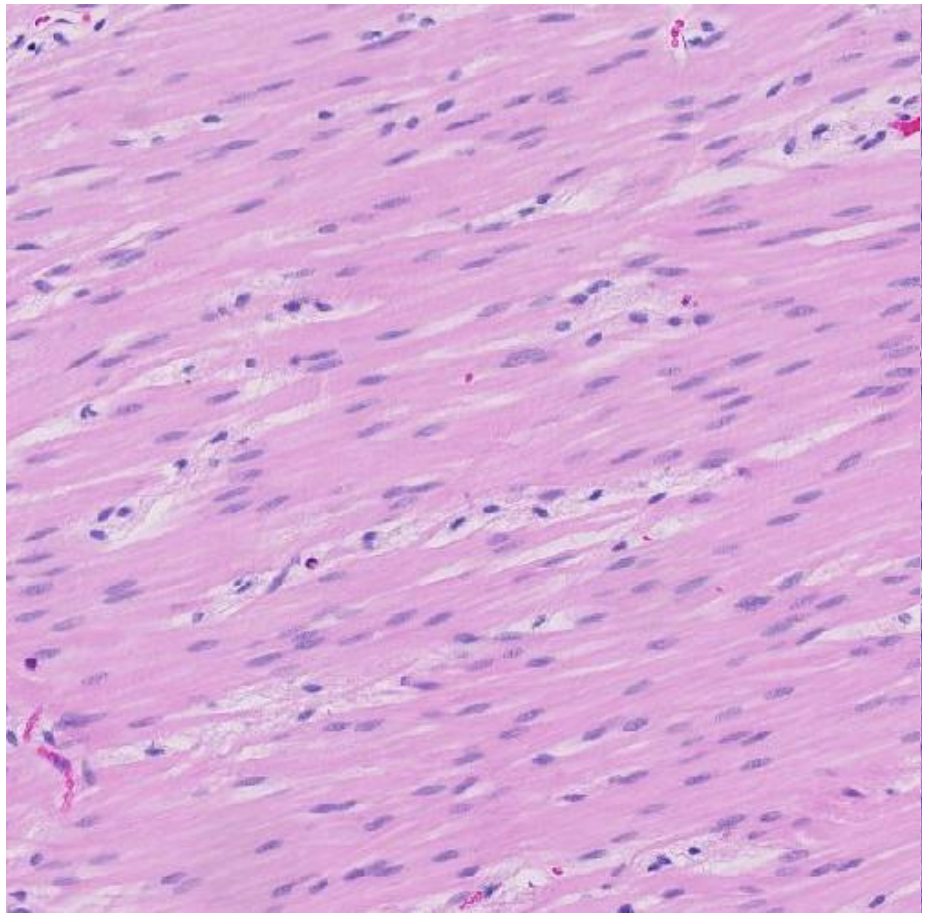
Stain Normalization in Digital Histopathology Images

Isabel Amalia Jepsen
Master Student, Biomedical Engineering



Stain Normalization in Digital Histopathology Images

Isabel Amalia Jepsen
Master Student, Biomedical Engineering



Jasmin Mahdavi

Development of a new picture based image-processing program to analyse and categorise peristomal skin

Mahdavi JM.[1], Sørensen C.[2], Gosk S.[2], Christensen A.N.[1]

[1]Department of Applied Mathematics and Computer Science, Technical University of Denmark, Richard Petersens Plads DK-2800 Kgs. Lyngby, Denmark
[2]Coloplast A/S, Holtedam 1, DK-3050 Humlebæk, Denmark

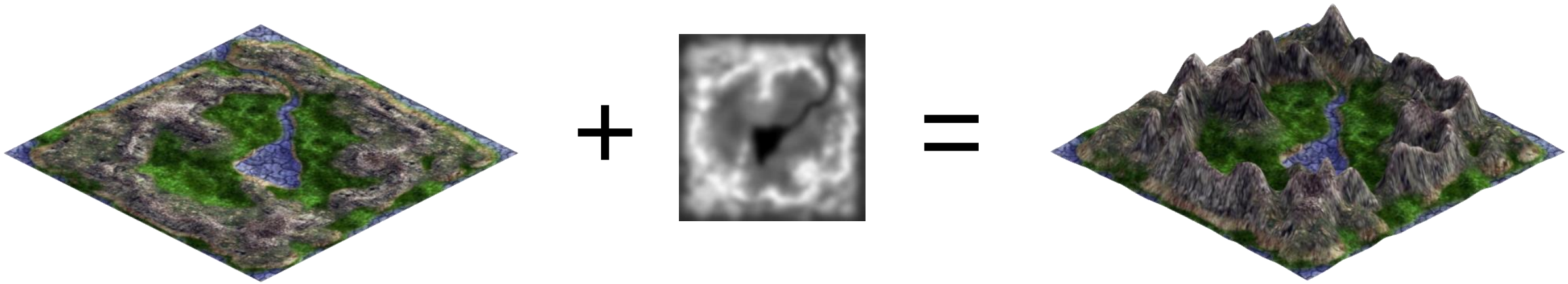
The aim of this project is to research **categorisation of peristomal skin** and possible develop a program to **analyse** it automatically.

Riccardo Loggini

Per-Pixel vs. Per-Vertex

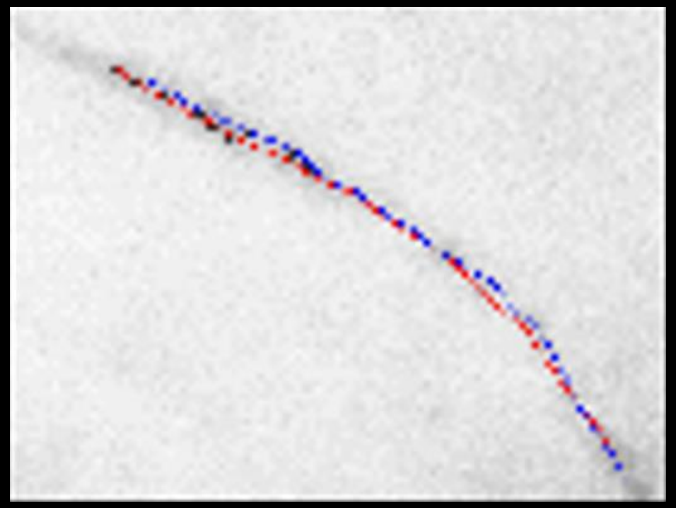
Real-Time Displacement Mapping

R. Loggini



Maria Gil Aragones

Automated analysis of image sequences in relation to Malaria

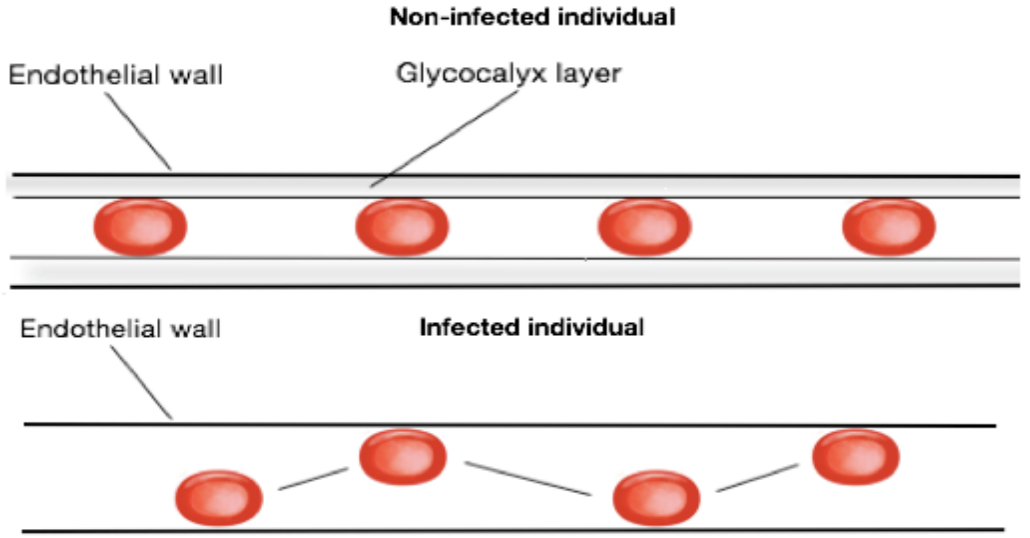


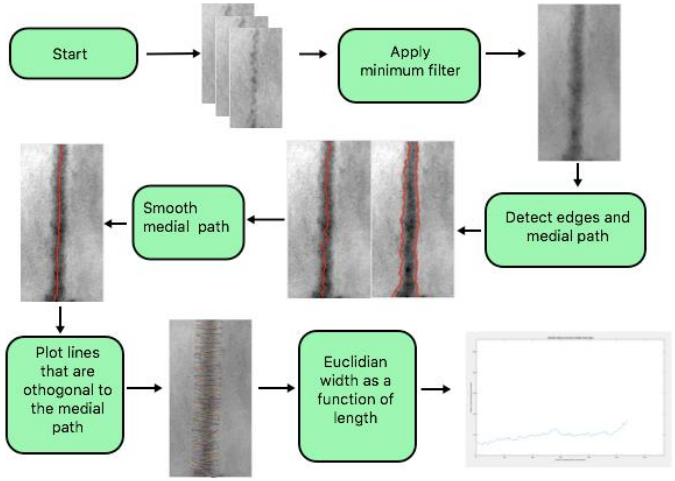
María Gil Aragones

maria.gilaragones@gmail.com

Thomas Ramsing and Lars Emil Haslund

Image Based Flow Analysis Of Blood Cells For Malaria Diagnostics





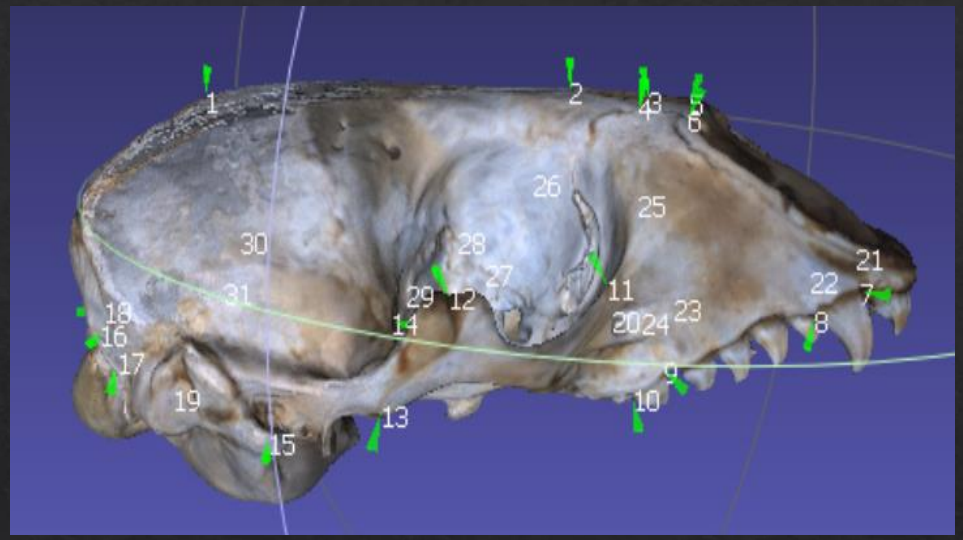
Martina Pilar Jolanda Stella

Gray Seals' Crania Landmarks Detection: 3D Digitizer Pen VS 3D Optical Scanner

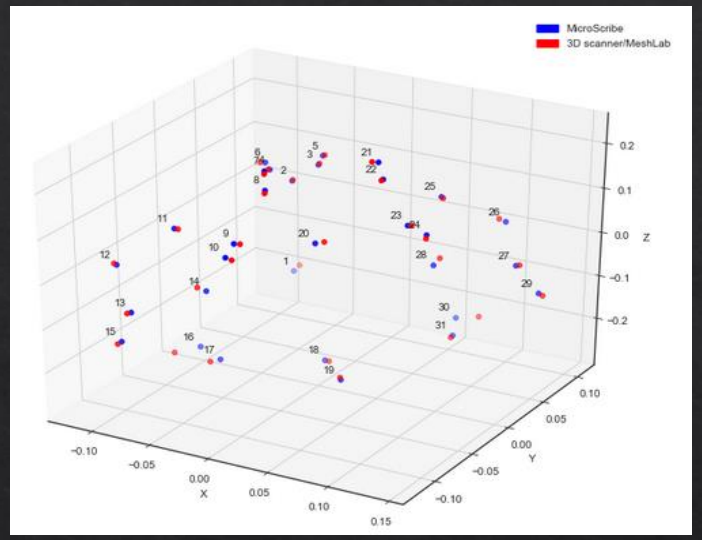
M. Pilar J. Stella

Microscribe:

Gold Standard for landmarks detection



3D Optical Scanner point cloud acquisition and landmarks detection on Poisson Surface Reconstruction (MeshLab)



Microscribe and MeshLab landmarks comparison

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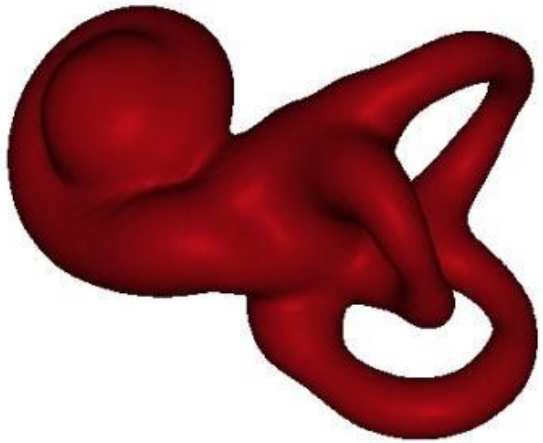
Betina Kopp Pedersen

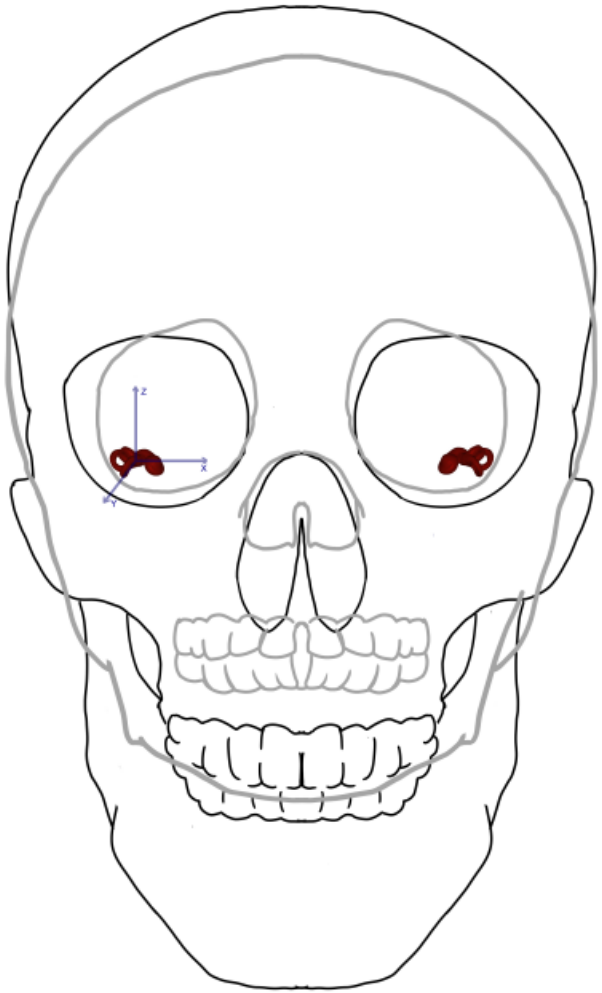
Improved system of reference for analysis of craniofacial growth

Master project by Betina Kopp Pedersen

Register images using the inner ear!

- ✓ Unique 3-dimensional shape.
- ✓ Stable from birth.
- ✓ Not influenced by craniofacial surgery.



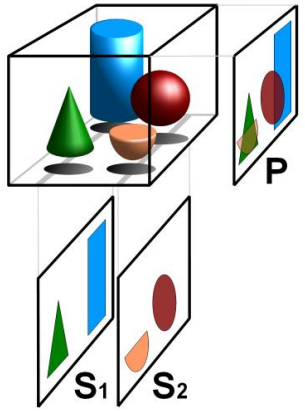


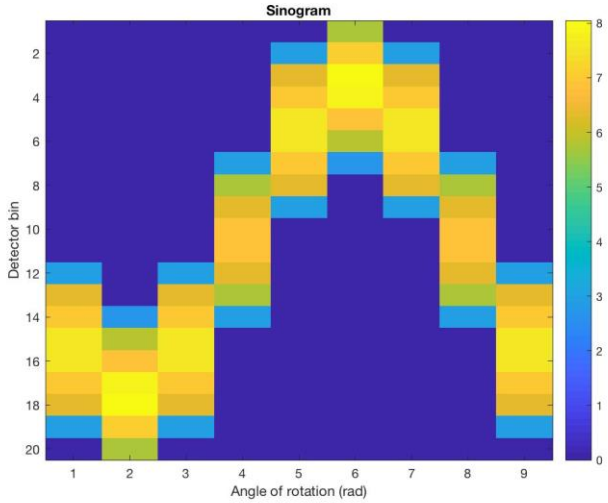
Simon Rabbe

Movable mesh for tomographic reconstruction - Prototyping and testing

Author: Simon Rabbe

- Reconstruction of X-ray tomographic images
- Current methods require a lot of data and are prone to noise
- Proposed method uses iterative approach, and curve representations to improve these issues





Christine Hvidtfeldt and Thea Pedersen

Rigshospitalet

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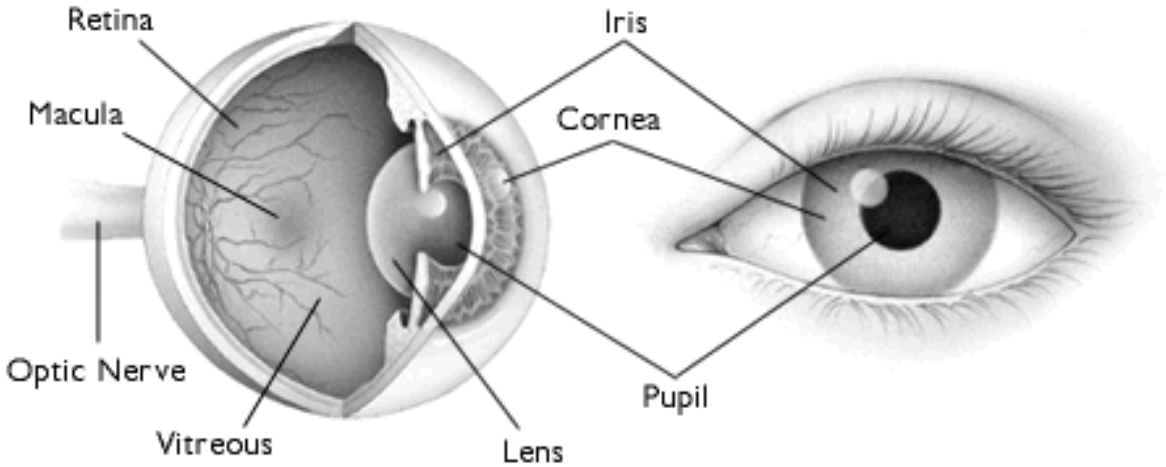
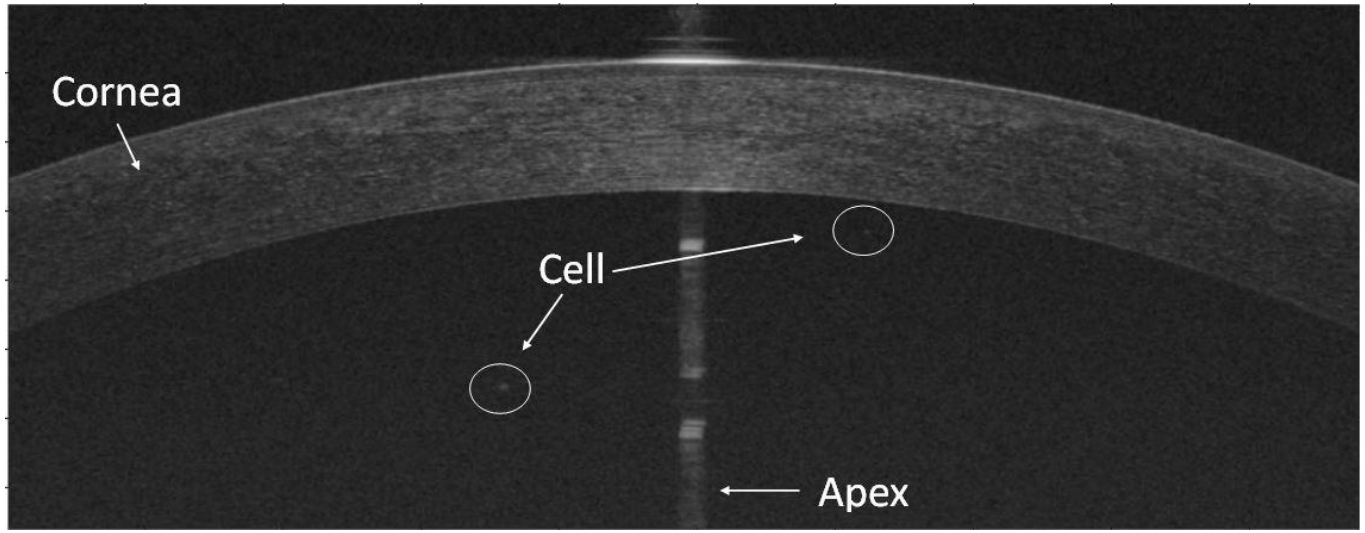
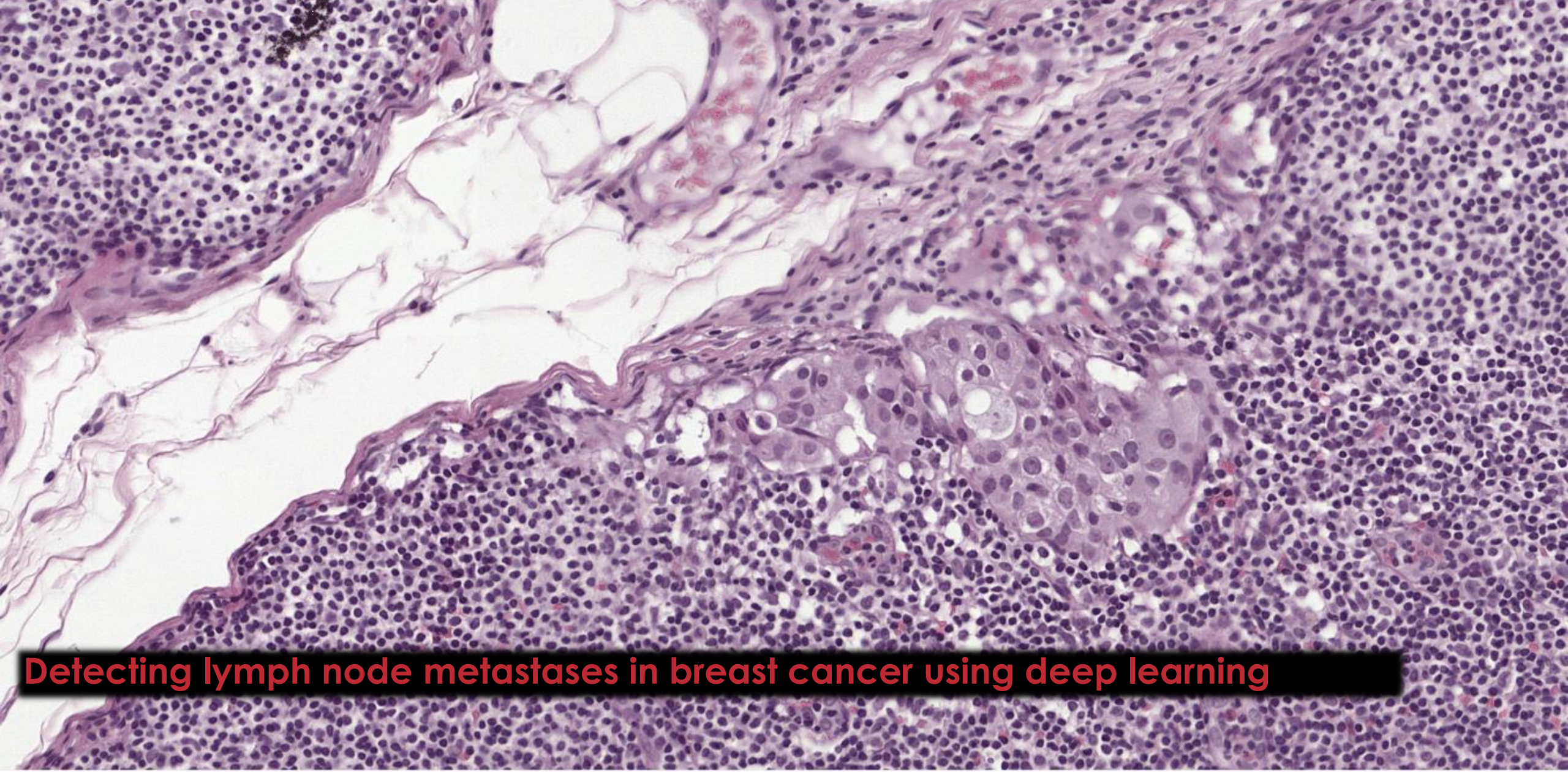
Image analysis for diagnosing uveitis from OCT images

Anterior Uveitis





Jeppe Thagaard



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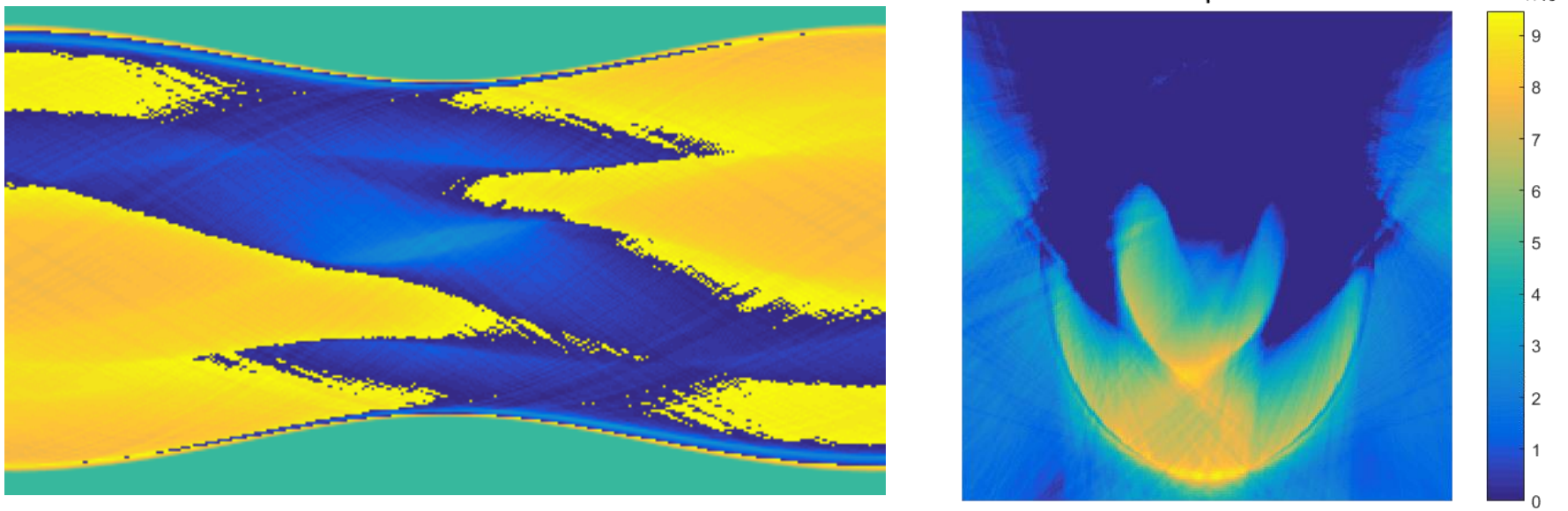
Tiago Ramos

FLEXIBLE 3D TOMOGRAPHIC ALIGNMENT AND RECONSTRUCTION OF PHASE-CONTRAST PROJECTION DATA



Tomographic reconstruction of wrapped phase data via the phase-SIRT algorithm

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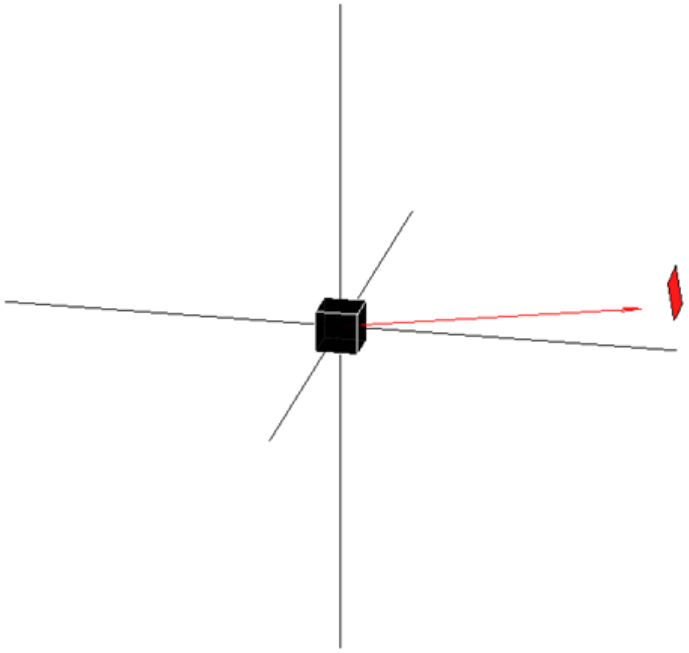
FLEXIBLE 3D TOMOGRAPHIC ALIGNMENT AND RECONSTRUCTION OF PHASE-CONTRAST PROJECTION DATA



A nonlinear optimization algorithm is applied to the projection parameters that define the X-ray beam-sample-detector relative orientation.

Up to 5 degrees of freedom, including translations and tilts, can be optimized exhibiting an enhanced spatial resolution and artefacts reduction.

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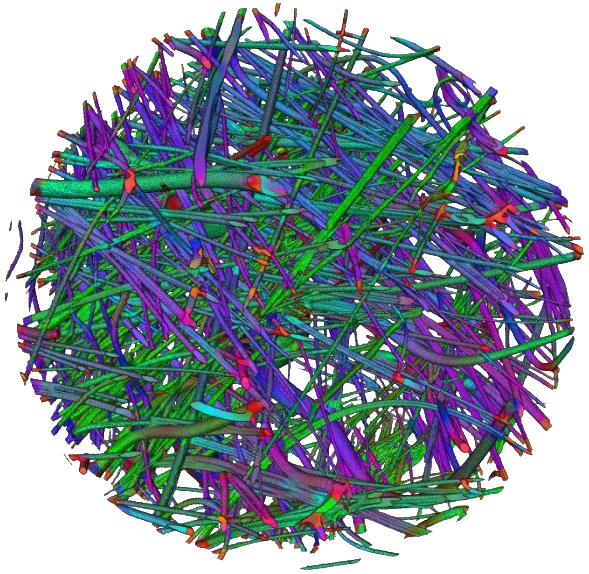
Department of Energy Conversion and Storage

Patrick Møller Jensen

Characterization of stone wool using fiber tracking based on local orientation

X-ray CT

Local orientation



Fiber tracking