

Venue

Five days all inclusive summer school at Backafallsbyn at Hven in Øresund

www.backafallsbyn.se

Lectures and exercises covering the full pipeline from data acquisition through reconstruction and segmentation to modeling of real 3D imaging data

Key dates

Registration By: June 30, 2015

Poster Abstracts By: August 15, 2015

www.conferencemanager.dk/CINEMAX

Only 400.- €!



Please email lenc@dtu.dk to receive further details directly



CINEMA – The Alliance for Imaging Energy Materials and the MAXIV Laboratory:
1st International PhD Summer School

24th-28th August 2015

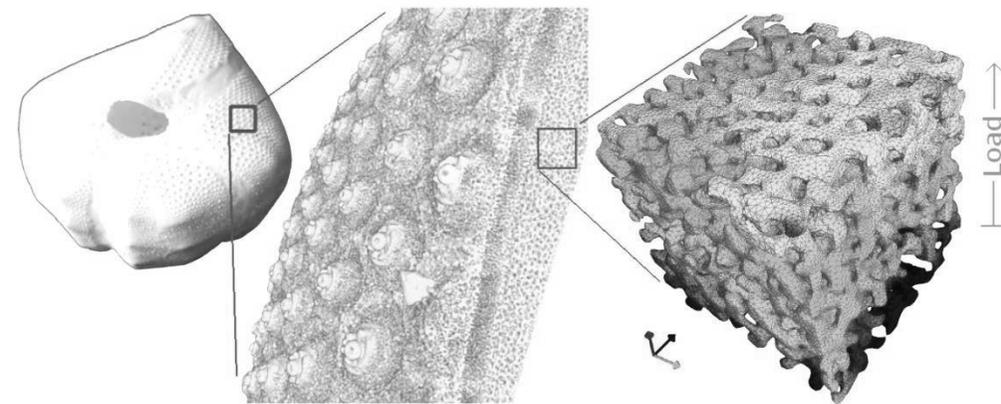
www.conferencemanager.dk/CINEMAX

CINEMAX:

Methods in Imaging of Material Microstructure

Second
Announcement

Imaging Techniques and Analysis of Materials





Programme
Monday: Basics of X-ray tomography and Imaging contrast modalities and length scales Tomography applications and 4D Correlative tomography Poster session
Tuesday: Introduction to tomographic reconstruction Algebraic iterative methods and regularization Segmentation: Simple tricks of the trade Meshing using Delaunay triangulation and the CGAL library
Wednesday: Segmentation: Image Texture and Spatial Context Social event
Thursday: 3D modelling of liquid flow and Practical approach to analytical flow modelling Introduction to continuum mechanics and the finite element method
Friday: Group presentations of the school project exercise

Lecturer
Manuel Guizar-Sicairos (SLS) Ali Chirazi (The University of Manchester)
Jakob Sauer Jørgensen (DTU Compute) Mark Lyksborg (DTU Compute) Jens Petersen (University of Copenhagen)
Mark Lyksborg (DTU Compute)
Joachim Mathiesen (Niels Bohr Institute, University of Copenhagen) Dirk Müter (University of Copenhagen)
Plenary

Learning experience

Lectures by international experts

Interactive presentation sessions and group work

Poster presentation of your research

Feedback on your project