

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

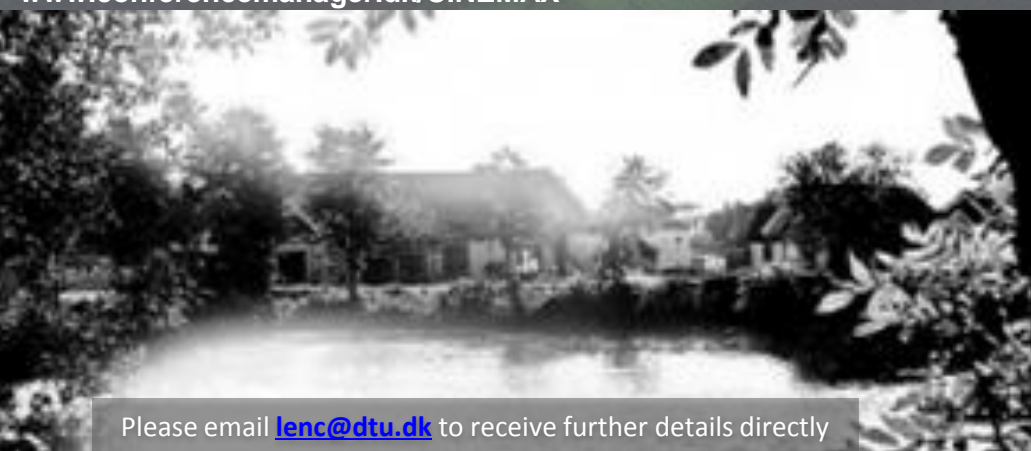
Key dates

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

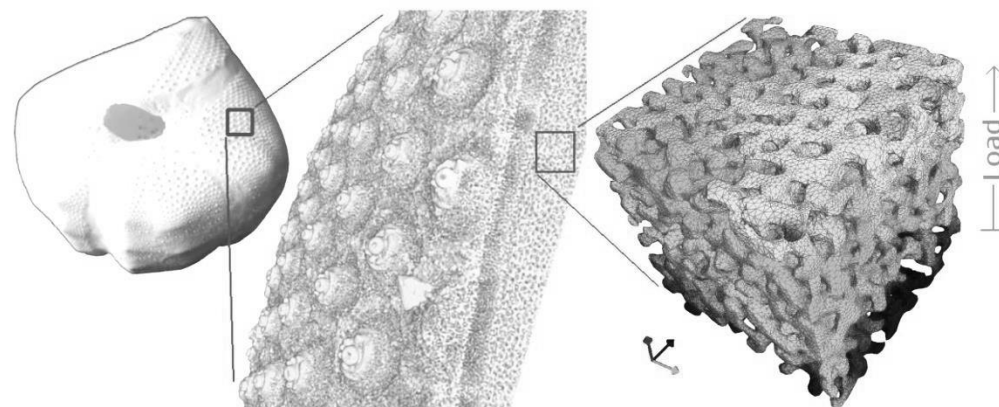
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CINEMAX:

**Methods in Imaging
of Material
Microstructure**

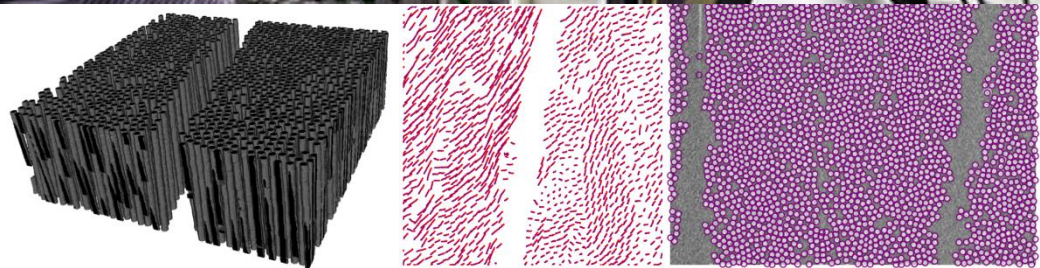
Second
Announcement

**Imaging Techniques and Analysis of
Materials**





Programme	Lecturer
Monday: Basics of X-ray tomography and Imaging contrast modalities and length scales Tomography applications and 4D Correlative tomography Poster session	Manuel Guizar-Sicairos (SLS) Ali Chirazi (The University of Manchester)
Tuesday: Introduction to tomographic reconstruction Algebraic iterative methods and regularization Segmentation: Simple tricks of the trade Meshing using Delaunay triangulation and the CGAL library	Jakob Sauer Jørgensen (DTU Compute) Mark Lyksborg (DTU Compute) Jens Petersen (University of Copenhagen)
Wednesday: Segmentation: Image Texture and Spatial Context Social event	Mark Lyksborg (DTU Compute)
Thursday: 3D modelling of liquid flow and Practical approach to analytical flow modelling Introduction to continuum mechanics and the finite element method	Joachim Mathiesen (Niels Bohr Institute, University of Copenhagen) Dirk Müter (University of Copenhagen)
Friday: Group presentations of the school project exercise	Plenary



Learning experience

- Lectures by international experts
- Interactive presentation sessions and group work
- Poster presentation of your research
- Feedback on your project