



DanScatt

Annual

Meeting 2023

Venue:

Rendsburggade 14, Meeting room 5.125 + 5.127

Aalborg University

9000 Aalborg

Denmark

Sponsors:





PROGRAM

Thursday, 1 June

<u>12:00 - 13:00</u>	<u>Registration and Lunch</u>
<u>13:00 - 13:15</u>	<u>Introduction</u>
<u>13:15 - 13:45</u>	<u>Arwen Pearson, University of Hamburg</u> <i>Serial time-resolved crystallography</i>
<u>13:45 - 14:05</u>	<u>Lars Lundgaard, Topsoe A/S</u> <i>Catalysis operando studies combined with computed X-ray diffraction tomography: Coke formation during conversion of Methanol to Gasoline</i>
<u>14:05 - 14:25</u>	<u>Kasper Steen Pedersen, Department of Chemistry, DTU</u> <i>New Possibilities for Electron Crystallography in Denmark</i>
<u>14:25 - 14:40</u>	<u>Coffee break</u>
<u>14:40 - 15:10</u>	<u>Gerd Schneider, Department of Physics, Humboldt University Berlin</u> <i>Nanoscale X-ray Microscopy for life and materials sciences.</i>
<u>15:10 - 15:25</u>	<u>Matilde Saura-Múzquiz, Department of Materials Physics, Universidad Complutense de Madrid</u> <i>Structure, phase transitions and hidden order in complex scheelites.</i>
<u>15:25 - 15:40</u>	<u>Mads Bertelsen, ESS-DMSC</u> <i>Bringing instrument simulations to beamtime</i>
<u>15:40 - 15:55</u>	<u>Coffee break</u>
<u>15:55 - 16:25</u>	<u>Anders Dahl, DTU Compute</u> <i>Quantitative analysis of 3D imaging data with biomedical examples from QIM</i>
<u>16:25 - 16:30</u>	<u>XNOVO PhD prize: Motivation talk by committee</u>
<u>16:30 - 17:00</u>	<u>PhD award talk</u>
<u>17:00 - 19:00</u>	<u>Poster session and beer</u>
<u>19:00 - 21:00</u>	<u>Dinner</u> Restaurant Fauna (musikkenshus.dk)

PROGRAM

Friday, 2 June

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- 09:00 - 09:30 Thomas Rod, ESS-DMSC
Updates from the ESS and its Data Management and Software Centre
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- 09:30 - 09:45 Camilla Buhl Larsen, Laboratory for Neutron Scattering and Imaging, Paul Scherrer Institute
Laue and time of flight neutron diffractive imaging methods for 3D grain mapping of polycrystalline materials.
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- 09:45 - 10:00 Kaifeng Wang, Department of Geochemistry, GEUS
Structural transformations of As-sorbed Fe(III) (oxyhydr)oxides during alkali extraction of As.
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- 10:00 - 10:15 Maja Østergaard, Interdisciplinary Nanoscience Center, AU
Changes in osteocyte lacunar properties are due to new bone formation in hypoparathyroidism patients treated by recombinant parathyroid hormone.
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- 10:15 - 10:30 Coffee break
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- 10:30 - 10:50 Morten Mattrup Smedskjær, Department of Chemistry and Bioscience, AAU
Using total scattering experiments to understand glassy mechanics.
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- 10:50 - 11:05 Nicolas Pierre Louis Magnard, Department of Chemistry, KU
Two peas in a pod: combining X-rays and neutrons in chemistry
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- 11:05 - 11:20 Niels Bøgholm, Department of Molecular Biology and Genetics, AU
Structural modelling of the IFT-B complex: Combining AlphaFold, SAXS, XL-MS and MX.
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- 11:20 - 11:35 Rebecca Pittkowski, Department of Chemistry, KU
Operando characterization of carbon-supported metal nanoparticle fuel cell catalysts.
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- 11:35 - 11:50 Christian Kolle Christensen, Institute for Physics, Chemistry and Pharmacy, AU
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- 11:50 - 12:00 DanScatt status report and end of meeting comments by Henning and Jesper
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- 12:00 - 13:00 Lunch
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Are you lost?

Contact DanScatt Coordinator

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