

## Den 3. Passivhus Norden Konference, Mod 2020 – Bæredygtige Byer og Bygninger

Temaer	Arkitektur mod 2020	Energieffektivt Byggeri – et Marked i Udvikling	Forskning – Teknologi og Metoder
Sprog	På dansk – tolket til engelsk	På engelsk	På engelsk
9.30-11.30	<b>Plenum</b>  <b>Velkommen til konferencen</b> <b>Passive House Building – Towards 2020</b> , Dr. Wolfgang Feist, Passive House Institute, Darmstadt, GE <b>Building and the Overall Energy System</b> , professor Henrik Lund, Aalborg University		
11.30 – 13.00	Frokostpause		
13.00 – 14.30	<b>1. Arkitektur mod 2020</b>  <b>4D Bæredygtigt Byggeri</b> i Ørestaden, CUBO Arkitekter, DK  <b>Bolig+ Konkurrencen</b> , Arkitema, Rie Øhlenschläger arkitekt maa AplusB, DK  <b>Madrid Solar Decathlon</b> , Zero-energy House for Warm and Cold Climates, Arch. Kimmo Lylykangas, FI	<b>2. Lavenergi Byggeri fra A-Z</b>  <b>Northpass</b> Criteria for Very Low Energy Building, Passivhus.dk, DK  <b>Certification and the International Passive House Criteria</b> , Passivhus.dk, DK  <b>From Passive House to Zero Emission</b> Building: How Much Energy Generation is Needed? SINTEF, NO  <b>Passive House Design</b> as an Important Path to + Energy Houses, Prime Project AB, SE	<b>3. Energiforsyning og Vedvarende Energi</b>  <b>Sustainability</b> , Michael Lauring, DK  <b>Renewable Energy</b> , Solar Systems & Wind Power, Troels Kildemoes, DK  <b>Innovative District Heating</b> in Low Energy Houses, Göteborg Energy AB, SE  <b>Sustainable Energy Supply</b> for Passive House Developments, SINTEF, NO
14.30 – 15.00	Kaffepause		

15.00 - 16.30  Sessioner	<b>4. Arkitektur mod 2020</b>  <b>Integreret Projektering</b> , Akademisk Arkitektforening, DK  <b>Sunshinehouse</b> , Arkitektur, Udvikling og Industrialisering, Aarstiderne Arkitekter & Teknologisk Institut, DK  <b>Aktivt Vinduesdesign</b> , Bjerg Arkitektur A/S, DK	<b>5. Koldere Klima</b>  <b>Apartment Buildings in Timber Construction</b> Using Passive House Principles, IVL Swedish Environmental Research Institute, SE  <b>Passive House Aitolahti</b> , Tampere, FI  <b>Polarbo, 6 Dwellings</b> in Svalbard, Steinsvik Arkitektkontor, NO  <b>The Norwegian Standard NS 3700</b> , SINTEF Byggforsk, NO  <b>The RENORD Program</b> , Oslo University College, NO	<b>6. Livscyklus Analyser LCA</b>  <b>Comparing Lifecycle Primary Energy Use</b> - the Swedish Passive House Standard & the Swedish Building Code, Mid Sweden University Östersund, SE  <b>Life Cycle Assessment</b> of Norwegian Wood-based Building Materials, SINTEF, NO  <b>Lifecycle Energy Flow, Costs</b> and Emissions in the Norwegian Residential Building 1960-2050, NTNU, NO  <b>Tool for Very Low Energy Building System Analysis</b> , IVL Swedish Environmental Research Institute, SE
	16.30 – 17.00 <b>Kaffepause</b>		
17.00 – 18.00  Sessioner	<b>7. Arkitektur mod 2020 – Almene Boliger</b>  <b>Fra Energioptimering til 0-energi</b> - Energirenovering af Prøvehuse i Albertslund', Enemærke & Petersen, Albertslund Kommune, DK  <b>How to Cross Barriers</b> , Boligforeningen Ringgaarden, Lystrup, Rie Øhlenschläger arkitekt maa, AplusB, DK	<b>8. Renovering af Enfamiliehuse</b>  <b>Renovation of Single Family Houses</b> – an Emerging Market, Segel, NO  <b>Energy Refurbishment</b> of Existing Buildings to Passive House Level, Rockwool, DK  <b>Low Energy Refurbishment</b> of Single Family Houses from 1970, Tilst Realea, DK	<b>9. Ventilation</b>  <b>Optimal Ventilation &amp; Heat Recovery</b> , Quality Control, Technical Research Institute of Sweden, SE  <b>Ground-preheating of Ventilation Air</b> , SINTEF, NO
	19.30 – 00.00 <b>Konferencemiddag</b>		

Workshops & Seminars På dansk og engelsk	13.00 – 14.30	<b>Komforthusene Vejle</b>  <b>Seminar</b> Komforthusene - status efter 2 års drift i nogle af de første danske passivhuse.  <b>The Experienced &amp; Measured Indoor Environment of the Comfort Houses</b> Aalborg University, DK	15.00 – 16.30	<b>Future Cities – Green Cities</b>  <b>Welcome</b> , by Aarhus Municipality  <b>Future City – Green City</b> , Aarhus Climate Action Plan, Aarhus Municipality  <b>Future Build</b> , Oslo Climate & Energy Action Plan, Oslo Municipality  <b>Debate</b> , guided by Aarhus School of Architecture	17.00 – 18.00	<b>Poster Session</b>

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9.00 – 10.15	<b>Plenum</b>  <b>Examples of Refurbishment to Passive House Level</b> , Burkhard Schulze Darup, Schulze Darup & Partner Architekten, DE <b>Challenges of Refurbishment in Social Housing</b> , Rolf Andersson, Building Director, the Social Housing Company KAB, DK		
10.30-12.00	<b>10. Skoler og Daginstitutioner</b>  <b>Fremtidens Daginstitutioner</b> , Albertslund Kommune, DK  <b>Norges Første Passivhusskole – Marienlyst skole</b> , SINTEF, NO  <b>“Den Grønne Planet”</b> Børnehave i København, Wisenberg, DK  <b>Passivhusförskolan “Skogslunden”</b> , Blek Architects AB, SE  <b>EUC Nord</b> i Hjørring, Bjerg Arkitektur, DK	<b>11. Et Marked i Udvikling</b>  <b>Action Plan for Passive House</b> as the Standard Solution, Boligproducenternes Forening, NO  <b>From Demonstration Projects</b> to Volume Market, Husbanken, NO  <b>Miljonprogrammet</b> to Become Passivhouse Standard, Efem Architect Office ab, SE	<b>12. Fugtproblemer i Bygninger</b>  <b>Overview and Risk of Performance</b> Failure in New and Retrofitted Building Envelopes, Chalmers, SE  <b>Evaluation</b> of Critical Moisture Problems in Building Elements & Wodden Constructions, Skanska SE  <b>Increased Insulation Thickness</b> and Moisture, SINTEF, NO  <b>Air Tight Building Envelope:</b> The Right Process, Technical Research Institute of Sweden, SE  <b>How to Prevent Natural Convection</b> Causing Heat Loss and Moisture Problems in Thick Insulation Layers, SINTEF, NO
12.00 – 13.30	Frokostpause		

<p>13.30 - 14.45</p> <p>Sessioner</p>	<p><b>13. Arkitektur mod 2020</b></p> <p><b>Villa Alstrup</b>, Esbjerg, C.F. Møller Architects, DK</p> <p><b>Passivhuse, 0-energi- &amp; Plusenergiarkitektur</b> i Danmark, Olav Langenkamp, DK</p> <p><b>H2College</b>, passivhuse, almene ungdomsboliger i Herning, Aarhus Arkitekterne, DK</p>	<p><b>14. Et Marked i Udvikling</b></p> <p><b>LÅGAN</b> – How to Implement Buildings with Very Low Energy Consumption, Chalmers, SE</p> <p><b>How a Cluster for Passive Houses</b> was Created in Western Sweden, Miljösekretariatet, Västra Götaland, SE</p> <p><b>IEE Northpass</b> – Promotion of the Very Low-Energy House Concept to the North European Building Market, VTT, FI</p>	<p><b>15. Indeklima</b></p> <p><b>Indoor Environment</b> in Multi-family Houses “Brogården” Retrofitted to Passive House Standard, Technical Research Institute of Sweden, SE</p> <p><b>Experiences from Hamnhuset</b>, Göteborg, Technical Research Institute of Sweden, SE</p> <p><b>Water Based Heating and Cooling</b> in Low Energy and Passive Houses, Uponor, DK/FI</p>
<p>14.45 - 15.15 <b>Kaffepause</b></p>			
<p>15.15 - 16.15</p> <p>Sessioner</p>	<p><b>16. Renovering</b></p> <p><b>Sustainable Transformation</b> of Danish Housing after 1945, Aarhus School of Architecture, DK</p> <p><b>Life Cycle Costs</b> and Prefabrication in Refurbishments, IVL Swedish Environmental Research Institute, SE</p> <p><b>Lavenergirenovering af Langkærparken</b> i Tilst ved Aarhus, Esbensen, DK</p>	<p><b>17. Certificering og Udvikling</b></p> <p><b>Green Building Council</b> - Certification Schemes for Sustainable Buildings, SBI, DK</p> <p><b>Active House</b>, Energy, Indoor Climate &amp; Environment, VKR Holding, DK</p>	<p><b>18. Vinduer</b></p> <p><b>Intelligent Glazed Facades</b> for Fulfillment of Future Energy Regulations, AAU, DK</p> <p><b>Energy Performance of Windows</b>, Heating, Cooling, Daylight, Window Opening, DK</p> <p><b>Window Shutters</b>, White Architects, SE</p>
<p>16.30 - 17.00 <b>Den 3. Nordiske Passivhuskonference – Afrunding og konklusioner</b></p>			

<p>Workshops &amp; Seminars På dansk og engelsk</p>	<p><b>10.30 – 12.00</b></p> <p><b>Workshop for Boligforeninger</b></p> <p><b>Muligheder og udfordringer ved lavenergibyggeri</b></p> <ul style="list-style-type: none"> <li>* Lavenergirenovering i Frederikssund, Domea, DK</li> <li>* Lavenergirenovering, Langkærparken i Tilst, Al2Bolig, DK</li> <li>* Lavenergirenovering klasse1+, Brabrand Boligforening, DK</li> <li>* 0-energiboliger ‘Energi0’, Lejerbo, DK</li> <li>* Lavenergibyggeri i Lystrup, Boligforeningen Ringgaarden, DK</li> <li>* H2 College i Herning, Boligselskabet Fruehøjgaard, DK</li> </ul> <p><b>Paneldebat</b></p> <p>Tovholdere: Rolf Andersson, byggedirektør KAB og Rie Øhlenschläger, arkitekt maa, AplusB. Se programmet for workshoppen på <a href="http://www.passivhusnorden.dk">www.passivhusnorden.dk</a></p>	<p><b>13.30 – 15.00</b></p> <p><b>Education</b></p> <p><b>CEPH</b> – Training of “Certified European Passive House Designer”, DK/SE</p> <p><b>International Master Programme</b>, Energy &amp; Green Architecture, AAA, DK</p> <p><b>Master Programme</b> in Sustainable Architecture, NTNU, NO</p> <p><b>Evaluation</b> of Passive House Workshop for Architects, Passivhuscentrum, SE</p> <p><b>Competences</b> and Strategic Development on Sustainability, AAA, DK</p> <p><b>How can</b> the Architectural Education be Developed to Meet Future Energy Standards?, DK</p>
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