

Scientific articles/ Vitenskaplige artikler

Sveipe E., Jelle B.P., Wegger E., Uvsløkk S., Thue J.V., Grynning S., Gustavsen A., 2011: Retrofitting of Timber Frame Walls by Application of Vacuum Insulation Panels and Investigations of Moisture Robustness, 12th International Conference on Durability of Building Materials and Components, Porto, Portugal, 12-15 April, 2011.

Wegger E., Jelle B.P., Sveipe E., Grynning S., Gustavsen A., Thue J.V. 2011: Accelerated Laboratory Ageing of Vacuum Insulation Panels, 12th International Conference on Durability of Building Materials and Components, Porto, Portugal, 12-15 April, 2011.

Murphy, M., Gustavsen A., Jelle B.P., Haase M., 2011: Energy savings potential with electrochromic switchable glazing, Nordic Building Physics Symposium, Tampere, 29 of May to 2 of June 2011 (accepted)

Murphy M., Grynning S., Gustavsen A., Jelle B.P., Haase M., 2011: Cool roofing in cold climates: A contradiction or a potential for energy savings? Nordic Building Physics Symposium, Tampere, 29 of May to 2 of June 2011 (accepted)

Grynning S., Gustavsen A., Time B., 2011: Solar Shading Systems and Thermal Performance of Windows in Nordic Climates, Nordic Building Physics Symposium, Tampere, 29 of May to 6 of June 2011 (accepted)

Favoino F., Goia F., Perino M., Serra V., 2011: The actress concept. A new facade module for low energy buildings, RoomVent 2011 - 12th International conference on air distribution in rooms, Trondheim, 19 – 22 of June 2011 (accepted)

Favoino F., Goia F., Perino M., Serra V., 2011: Energy performance assessment of a responsive building envelope component: Results from a numerical analysis. International scientific conference CISBAT (Clean Tech for Sustainable Buildings) 11, Lausanne, 14 to 16 September 2011. (submitted)

Goia F., Perino M., Haase M., 2011: Numerical Assessment of various PCM glazing system configurations. Energy performance assessment of a responsive building envelope component: Results from a numerical analysis. International scientific conference CISBAT (Clean Tech for Sustainable Buildings) 11, Lausanne, 14 to 16 September 2011. (submitted)

Gao, T., Jelle B.P., Gustavsen A., 2011: Nanomaterials for advanced window technologies. International scientific conference CISBAT (Clean Tech for Sustainable Buildings) 11, Lausanne, 14 to 16 September 2011. (submitted)

Risholt, B., Kvande T., Time, B., Hestnes A.G. 2011: Strategies for renovation of single family dwellings from the 1980s towards zero energy levels. World Sustainable Building Conference, 18 - 21 October, 2011 Helsinki, Finland (submitted)

Van Den Bergh, S., Uvsløkk, S. Jelle, B.P., Roels, S. and Gustavsen, A. 2011, Experimental and Numerical Investigations of Polystyrene Encapsulated Vacuum Insulation Panels- Heat Transfer Results. 10th International Vacuum Insulation Symposium (IVIS-X) Ottawa, Canada 15-16 September 2011 (submitted)

N. Djuric, V. Novakovic, G. Huang, Lifetime Commissioning as a Tool to Achieve Energy-Efficient Solutions, International Journal of Energy Research, In Press, Accepted Manuscript

Sartori, I., Dokka, T. H. and Andresen, I. (2011) Proposal of a Norwegian ZEB definition: Assessing the Implications for Design, Journal of Green buildings, in press.

Marszal, A. J., Heiselberg, P., Bourrelle, J. S., Musall, E., Voss, K., Sartori, I. and Napolitano, A. (2011) Zero Energy Building – A Review of definitions and calculation methodologies, Energy and Buildings, 43(4): 971-979.

Salom, J., Widén, J., Candanedo, J., Sartori, I., Voss, K. and Marszal, A. (2011) Understanding Net Zero Energy Buildings: evaluation of load matching and grid interaction indicators, Building Simulation 2011, 14-16 Nov., Sydney, AU

Journals

Wegger E., Jelle B.P., Sveipe E., Grynning S., Baetens R., Thue, J.V., 2011: *Ageing Effects on Thermal Properties and Service Life of Vacuum Insulation Panels*, Journal of Building Physics. DOI: 10.1177/1744259111398635.
<http://jen.sagepub.com/content/early/2011/03/06/1744259111398635>

Sveipe E., Jelle B.P., Wegger E., Uvsløkk S., Grynning S., Thue J.V., Time B., Gustavsen A., 2011: *Improving Thermal Insulation of Timber Frame Walls by Retrofitting with Vacuum Insulation Panels – Experimental and Theoretical Investigations*”, Journal of Building Physics DOI: 10.1177/1744259111403439.
<http://jen.sagepub.com/content/early/2011/04/29/1744259111403439>

Berker, Thomas: “Domesticating Spaces. Socio-Technical Studies and the Built Environment” Space and Culture, Volume 14(3), 2011.

Extended extracts/Presentations/ Presentasjon, Foredrag

Jahren S., Tilset B., Jelle B.P., Gustavsen A., 2011
 The ZEB project and Advanced Materials for Zero Emission Buildings, Grønn Bygg Allianse, members meeting, Oslo 2011

Falk, U.K. et al, ”Solvarme og Arkitektur – en inspirationsguide til anvendelse af solvarme i byggeriet”, Bogværket, Copenhagen 2011 (ISBN 978-87-92420-16-9).

Falk, U.K. et al, ”Solar Heating and Architecture – an inspirational guide to the use of solar heating in buildings”, Bogværket, Copenhagen 2011 (ISBN 9 788 792 420-176).

Hestnes, A.G., "Future buildings – a response to the climate change", foredrag ved UiO's jubileumsseminar, Oslo, 10.05.11.

Hestnes, A.G., "Solenergi – noe for Norge?", Foredrag ved IEA-seminaret "Solar energy and architecture – knowledge and inspiration", Oslo 1.4.2011.

Hestnes, A.G., "Klimanøytrale bygninger", Foredrag i Trondheim Arkitektforening, Trondheim, 17.3.2011.

Hestnes, A.G., "Towards zero energy and zero emission buildings and districts: trends and drivers", Foredrag ved Teknologiseminar ved VTT, Helsinki 15.3.2011.

Hestnes, A.G., "Status ZEB – Zero Emission Buildings", Foredrag på Kursdagene 2011, Trondheim, 05.01.11.

Sartori, I. (2011) Net ZEB definition article – status, IEA SHC Task40/ECBCS Annex52 5th experts meeting, 4-6 Apr., Golden, CO, US.

Wyckmans, Annemie, The research centre on Zero Emission Buildings- ZEB, foredrag ved SEEIT Energy Efficiency Workshop, Rome, Italy, 4.04.11.

Wyckmans, Annemie, The research centre on Zero Emission Buildings- ZEB, foredrag ved Joint research centre NTNU-Shanghai Jiao Tong University, Shanghai, China, 3.05.11.

Stuendts' works/ Studenters arbeid

Ramberg, T., Bye, C.S., 2011: Optimaliserte bygningsfysiske tiltak for oppgradering av 80-talls eneboliger, Bachelor degree thesis, Høgskolen i Sør-Trøndelag, Trondheim 2011