REFERENCES

[1] A. Eltaweel and Yuehong SU, "Parametric design and daylighting: A literature review," *Renewable and Sustainable Energy Reviews,* 2017.

[2] EPBD, "Directive 2002/91/EC of the European Parliament and of the Council of 16 December 2002 on the Energy," *Official Journal of the European Union,* 2002.

[3] "European Union, Directive 2010/31/EU of the European Parliament and of the Council of 19 May 2010 on the Energy Performance of Buildings (recast)," *Official Journal of the European Union, 18/06/2010, Strasbourg, France,* 2010.

[4] G. C. J. Skarning, A. C. Hviid and S. Svendsen, "The effect of dynamic solar shading on energy, daylighting andthermal comfort in a nearly zero-energy loft room in Rome andCopenhagen," *Energy and Buildings,* 2016.

[5] M. Decker, "Distributed sensing and actuation in building skins," in *Proceedings of energy forum 2013 conference*, Bressanone, Italy, 2013.

[6] M. Konstantoglou and A. Tsangrassoulis, "Dynamic operation of daylighting and shading systems: A literature review," *Renewable and Sustainable Energy Reviews,* 2016.

[7] M. Piepkorn, Colt's facade shading with passive control, 2007.

[8] E. S. Lee, S. E. Selkowitz, G. D. Hughes and D. A. Thurm, "Market transformation opportunities for emerging dynamic facade and dimmable lighting control systems," 2004.

[9] C. Lelieveld, A. Voorbij and W. Poelman, Adaptable architecture. Building stock, Tokyo: TAIHEI Printing Co, 2004.

[10] "https://en.wikipedia.org/wiki/Daylight_harvesting," 2017. [Online].

[11] G. Newsham, "American National Standard Practice for Office Lighting, RP-1," 2004.

[12] " http://www.lrc.rpi.edu/researchAreas/reducingbarriers/photosensorSolutions.asp," [Online].

[13] "Photosensors - Dimming and switcing systems for daylight harvesting," National lighting and product information programme, 2014.

[14] C. Dilouie, " Photosensors: Technology and Major Trends," 2014.

[15] F. Rubinstein, G. Ward and R. Verderber, " Improving the performance of photo-electrically controlled lighting systems," *Journal of the Illuminating Engineering Society,* 2009.

[16] J. O'Connor, E. Lee, F. Rubinstein and S. Selkowitz, "Tips for Daylighting with Windows," Lawrence Berkeley National Laboratory, 2009.

[17] " Understand compatibility, performance, and dimming issues in LED lighting (MAGAZINE)," 2014.

[18] A. Galasiu, G. R. Newsham, C. Suvagau and D. M. Suvagau, " Energy saving lighting control systems for open-plan offices: a field study," 2009.

[19] A. D. Galasiu, M. R. Atif and R. A. MacDonald, "Impact of window blinds on daylight-linked dimming and automatic on/off lighting controls," 2009.

[20] I. Heschong Mahone Group, "Sidelighting Photocontrols Field Study," *Northwest Energy Efficiency Alliance,* 2009.

[21] R. P. Leslie, R. Raghavan, O. Howlett and C. Eaton, "The Potential of Simplified Concepts for Daylight Harvesting," *Lighting Research and Technology,* 2005.

[22] " http://www.doe2.com," [Online].

[23] "Integrated Daylighting Systems," GSA Public Buildings Service, 2014.

[24] B. Birt and G. R. Newsham, " Post-occupancy evaluation of energy and indoor environment quality in green buildings: a review," *3rd International Conference on Smart and Sustainable Built Environments, Delft, the Netherlands,* 2009.

[25] "2015 IECC - Design Guide for Smart Lighting Control and Energy Solutions," Leviton, 2017.

[26] L. E. L. P. d. León, "SHADING DESIGN WORKFLOW FOR ARCHITECTURAL DESIGNERS," 2016.

[27] G. Faisal and P. Aldy, "Typology of building shading elements on Jalan," *IOP Conference Series: Materials Science and Engineering,* 2016.

[28] G. Evola, F. Gullo and L. Marletta, "The role of shading devices to improve thermal and visual comfort in existing glazed buildings," *Science Direct,* 2017.

[29] "Chapter 3 - Earth-Sun relationship and Solar Energy".

[30] "Windows for high-performance commercial buildings," 2018. [Online]. Available: https://www.commercialwindows.org/wwr.php.

[31] F. Guohui, C. Dandan, X. Xiaolong, D. Baoyue, S. Yixin and F. Yao, "Study on the Influence of Window-wall Ratio on the Energy Consumption of Nearly Zero Energy Buildings," *Procedia Engineering,* 2017.

[32] K. Lai, W. Wang and H. Giles, "Solar shading performance of window with constant and dynamic shading function in different climate zones," *Solar Energy,* 2016.

[33] "Key World Energy Statistics 2009," International Energy Agency, Paris, 2009.

[34] EPBD, "Energy Performance Building Directive," COUNCIL OF THE EUROPEAN UNION, 2010.

[35] M. V. Nielsen, S. Svendsen and L. B. Jensen, "Quantifying the potential of automated dynamic solar shading in office buildings through integrated simulations of energy and daylight," *Solar Energy,* 2011.

[36] C. E. Ochoa, and I. G. Capeluto, "Advice tool for early design stages of Advice tool for early design stages of," *Energy and Buildings,* 2009.

[37] "Indoor environmental input parameters for design and assessment of energy performance of buildings – addressing indoor air quality, thermal environment, lighting and acoustics," EN15251:2007, 2007.

[38] P. Jayathissa, M. Luzzatto, J. Schmidli, J. Hofer, Z. Nagy and A. Schlueter, "Optimising building net energy demand with dynamic BIPV shading," *Applied Energy,* 2017.

[39] D. E. Attoye, K. A. T. Aoul and A. Hassan, "A Review on Building Integrated Photovoltaic Façade Customization Potentials," *Sustainability,* 2017.

[40] M. M. Hourani and R. N. Hammad, "Impact of daylight quality on architectural space dynamics," *Renewable and Sustainable Energy Reviews,* 2012.

[41] "Wikipedia-Kinetic architecture," 2018. [Online]. Available: https://en.wikipedia.org/wiki/Kinetic_architecture.

[42] F. Mills, "THE B1M," 2017. [Online]. Available: https://www.theb1m.com/video/what-are-kinetic-buildings.

[43] *DIALux evo 9.2,* Bahnhofsallee 18, 58507 Lüdenscheid: DIAL GmbH.

[44] "Hourly Analysis Program (HAP)," Carrier Coporation, 2014.

[45] Y. Seunghwan, K. Jonghun, C. Yong and J. Hakgeun, " A sensor-less LED dimming system based on daylight harvesting with BIPV systems," 2014.

[46] L. Sun, W. Hu, Y. Yuan, X. Cao and B. Lei, "Dynamic Performance of the Shading-Type Building-Integrated Photovoltaic Claddings," *Procedia Engineering,* 2015.

[47] Karissa, "MODLAR - Kinetic Architecture: Dynamic Buildings That Will Move You," 2017. [Online]. Available: https://www.modlar.com/news/212/kinetic-architecture-dynamic-buildings-that-will-move-you/.

[48] A. Karanouh and E. Kerberb, "Innovations in dynamic architecture-The Al-Bahr Towers Design and delivery of complex facades," *Journal of Facade Design and Engineering,* 2015.

[49] I. Vinnitskaya, "Archdaily," 2010. [Online]. Available: https://www.archdaily.com/89270/kiefer-technic-showroom-ernst-giselbrecht-partner.

[50] A. Frearson, "Dezeen," 2017. [Online]. Available: https://www.dezeen.com/2017/06/09/foster-heatherwick-complete-shanghai-arts-centre-curtain-like-facade-fosun-foundation-theatre-architecture/.

[51] "Axial tilt," 2018. [Online]. Available: https://simple.wikipedia.org/wiki/Axial_tilt.

[52] C. Sun, H. Giles and Z. Lian, "The dynamic impact of window characteristics on shading factor and energy consumption," *Solar energy,* 2014.