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Journal of Building Performance Simulation

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Singapore, December 19, 2016

Journal Paper Submission

Dear Dr. Beausoleil-Morrison and Dr. Hensen:

The attached manuscript entitled "Urban and building multiscale co-simulation: case study implementations on two university campuses" is an original research article that I would like to submit for consideration in Journal of Building Performance Simulation. This paper outlines the process of co-simulation between EnergyPlus and CitySim for two campuses. This paper builds upon the work from two previous conference papers and includes properly-referenced content from both papers. References of those papers are found below:

Thomas, D., Miller, C., Kämpf, J., Schlueter, A., 2014. Multiscale co-simulation of EnergyPlus and CitySim models derived from a building information model, in: Proceedings of Bausim 2014: Fifth German-Austrian IBPSA Conference. Presented at the Bausim 2014: Fifth German-Austrian IBPSA Conference, IBPSA, Aachen, Germany, pp. 469–476. doi:10.13140/2.1.4639.1040

Miller, C., Thomas, D., Kämpf, J., Schlueter, A., 2015. Long wave radiation exchange for urban scale modelling within a co-simulation environment, in: Proceedings of CISBAT 2015. Presented at the CISBAT 2015, CISBAT, Lausanne, Switzerland, pp. 871–876. doi:10.13140/RG.2.1.2876.4640

This paper builds upon the previous research by applying the workflow to two campus case study projects. This contextual application gives a realistic analysis of how much differences between solo and co-simulations.

This paper was funded through the UMEM: Urban Multiscale Energy Modelling project from the Swiss Competence Center Energy and Mobility (CCEM).

Any questions or comments can be directed to myself as the corresponding author. I am available via email at miller.clayton@arch.ethz.ch and by phone at 1-402-403-0090.

Kind Regards,

Clayton Miller