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Employment

Assistant Professor

School of Engineering and Digital Sciences
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Sept 6 2014 → Aug 11 2024

Associate professor

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Aug 12 2024 → present

Research outputs

Key Drivers for BIM-Enabled Materials Management: Insights for a Sustainable Environment

Junussova, T., Nadeem, A., Kim, J. R. & Azhar, S., Jan 2024, In: Buildings. 14, 1, 84.

Investigating Prevention through Design (PtD) Concept for Safety in Malaysian Construction Industry

Hossain, M. A., Hafizh, M. R. & Nadeem, A., Jan 10 2023, *8th Brunei International Conference on Engineering and Technology 2021*. Ali, M. Y., Karri, R. R., Shams, S., Rosli, R., Rahman, E. K. A. & Singh, R. (eds.). American Institute of Physics Inc., 030024. (AIP Conference Proceedings; vol. 2643).

Green roof energy performance in different climate zones: a simulation study

Kulumkanov, N., Nadeem, A. & Tokbolat, S., 2023, In: Journal of Physics: Conference Series. 2600, 9, 092027.

Trombe Wall Performance in Multiple Climates: A Simulation Study

Zhanguatov, N. & Nadeem, A., 2023, *Proceedings of the 13th International Conference on Construction in the 21st Century, CITC 2023*. Ahmed, S. M., Azhar, S., Saul, A. D., Mahaffy, K. L. & Farooqui, R. U. (eds.). East Carolina University, (International Conference on Construction in the 21st Century; vol. 2023-May).

Sustainable Construction through Resource Planning Systems Incorporation into Building Information Modelling

Junussova, T., Nadeem, A., Kim, J. R., Azhar, S., Khalfan, M. & Kashyap, M., Oct 2022, In: Buildings. 12, 10, 1761.

Clash Detection Using Building Information Modeling (BIM) Technology in the Republic of Kazakhstan

Akhmetzhanova, B., Nadeem, A., Hossain, M. A. & Kim, J. R., Feb 2022, In: Buildings. 12, 2, 102.

Delay causes in Kazakhstan's construction projects and remedial measures

Hossain, M. A., Raiymbekov, D., Nadeem, A. & Kim, J. R., 2022, In: International Journal of Construction Management. 22, 5, p. 801-819 19 p.

Drivers of Industry 4.0 Implementation in the Construction Industry

Abilez, A., Nadeem, A. & Akhanova, G., 2022, In: International Conference on Construction in the 21st Century.

Factors influencing green building development in Kazakhstan

Assylbekov, D., Nadeem, A., Hossain, M. A., Akhanova, G. & Khalfan, M., Dec 2021, In: Buildings. 11, 12, 634.

Building information modeling based building sustainability assessment framework for Kazakhstan

Akhanova, G., Nadeem, A., Kim, J. R., Azhar, S. & Khalfan, M., Sept 2021, In: Buildings. 11, 9, 384.

Ranking PCMs for building façade applications using multi-criteria decision-making tools combined with energy simulations

Mukhamet, T., Kobeyev, S., Nadeem, A. & Memon, S. A., Jan 15 2021, In: Energy. 215, 119102.

Construction and Demolition Waste Management on Construction Sites in Kazakhstan

Nadeem, A., Khamatova, A., Hossain, M. A. & Leung, H. Y., 2021, *Advances in Science, Technology and Innovation*. Springer Nature, p. 57-62 6 p. (Advances in Science, Technology and Innovation).

PHASE CHANGE MATERIALS RANKING BY USING THE ANALYTIC HIERARCHY PROCESS

Nadeem, A., Rakhman, K. & Hossain, M. A., Aug 2020, In: Proceedings of International Structural Engineering and Construction. 7, 1, p. CPM-09-1 to CPM-09-6 6 p.

A multi-criteria decision-making framework for building sustainability assessment in Kazakhstan

Akhanova, G., Nadeem, A., Kim, J. R. & Azhar, S., Jan 2020, In: Sustainable Cities and Society. 52, 101842.

Phase change materials ranking by using the analytic hierarchy process

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Towards digitizing the construction industry: State of the art of construction 4.0

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Using Building Information Modelling to achieve Lean principles by improving efficiency of work teams

Zhang, X., Azhar, S., Nadeem, A. & Khalfan, M., Jul 4 2018, In: International Journal of Construction Management. 18, 4, p. 293-300 8 p.

Application of building information modeling (BIM) in site management— material and progress control

Nadeem, A., Wong, A. K. D., Akhanova, G., Azhar, S. & Wong, S. N., 2018, *Proceedings of the 21st International Symposium on Advancement of Construction Management and Real Estate*. Chau, K. W., Chan, I. Y. S., Lu, W. & Webster, C. (eds.). Springer, p. 289-297 9 p. (Proceedings of the 21st International Symposium on Advancement of Construction Management and Real Estate, 2016; vol. 0).

Multi-criteria evaluation of renewable and nuclear resources for electricity generation in Kazakhstan

Ahmad, S., Nadeem, A., Akhanova, G., Houghton, T. & Muhammad-Sukki, F., Nov 18 2017, (Accepted/In press) In: Energy.

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Leung, H. Y., Kim, J., Nadeem, A., Jaganathan, J. & Anwar, M. P., Jun 15 2016, In: Construction and Building Materials. 113, p. 369-375 7 p.

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Nadeem, A., Wong, A. K. D. & Wong, F. K. W., Sept 13 2015, In: Arabian Journal for Science and Engineering. 40, 9, p. 2465-2477 13 p.

The performance of Fly ash and Metakaolin concrete at elevated temperatures

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Evaluation of fly ash and Metakaolin concrete at elevated temperatures through stiffness damage test

Nadeem, A., Memon, S. A. & Lo, T. Y., Jan 2013, In: Construction and Building Materials. 38, p. 1058-1065 8 p.

Mechanical performance, durability, qualitative and quantitative analysis of microstructure of fly ash and Metakaolin mortar at elevated temperatures

Nadeem, A., Memon, S. A. & Lo, T. Y., Jan 2013, In: Construction and Building Materials. 38, p. 338-347 10 p.

Qualitative and quantitative analysis and identification of flaws in the microstructure of fly ash and metakaolin blended high performance concrete after exposure to elevated temperatures

Nadeem, A., Memon, S. A. & Lo, T. Y., Jan 2013, In: Construction and Building Materials. 38, p. 731-741 11 p.

Building information modelling for tertiary construction education in Hong Kong

Wong, K. D. A., Wong, K. W. F. & Nadeem, A., Feb 2011, In: Electronic Journal of Information Technology in Construction. 16, p. 467-476 10 p.

Government roles in implementing building information modelling systems: Comparison between Hong Kong and the United States

Wong, A. K. D., Wong, F. K. W. & Nadeem, A., 2011, In: Construction Innovation. 11, 1, p. 61-76 16 p.

Attributes of building information modelling implementations in various countries

Wong, A. K. D., Wong, F. K. W. & Nadeem, A., 2010, In: Architectural Engineering and Design Management. 6, SPECIAL ISSUE, p. 288-302 15 p.

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Lo, T. Y., Nadeem, A., Tang, W. C. P. & Yu, P. C., Mar 2009, In: Construction and Building Materials. 23, 3, p. 1306-1310 5 p.

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Comparison of carbonation of lightweight concrete with normal weight concrete at similar strength levels

Lo, T. Y., Tang, W. C. & Nadeem, A., Aug 2008, In: Construction and Building Materials. 22, 8, p. 1648-1655 8 p.

Mechanical and drying shrinkage properties of structural-graded polystyrene aggregate concrete

Tang, W. C., Lo, Y. & Nadeem, A., May 2008, In: Cement and Concrete Composites. 30, 5, p. 403-409 7 p.

Comparison of workability and mechanical properties of self-compacting lightweight concrete and normal self-compacting concrete

Lo, T. Y., Tang, P. W. C., Cui, H. Z. & Nadeem, A., Mar 2007, In: Materials Research Innovations. 11, 1, p. 16-17 2 p.

Flexural strengthening of reinforced lightweight polystyrene aggregate concrete beams with near-surface mounted GFRP bars

Tang, W. C., Balendran, R. V., Nadeem, A. & Leung, H. Y., Oct 2006, In: Building and Environment. 41, 10, p. 1381-1393 13 p.

The effects of air content on permeability of lightweight concrete

Lo, T. Y., Cui, H. Z., Nadeem, A. & Li, Z. G., Oct 2006, In: Cement and Concrete Research. 36, 10, p. 1874-1878 5 p.

Improving existing delay analysis techniques for the establishment of delay liabilities

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Fibre reinforced polymer materials for prestressed concrete structures

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Balendran, R. V., Nadeem, A., Maqsood, T. & Leung, H. Y., Jan 2003, In: Fire Technology. 39, 1, p. 47-61 15 p.

Influence of steel fibres on strength and ductility of normal and lightweight high strength concrete

Balendran, R. V., Zhou, F. P., Nadeem, A. & Leung, A. Y. T., Dec 2002, In: Building and Environment. 37, 12, p. 1361-1367 7 p.

Strengthening of concrete structures with FRP sheets and plates

Balendran, R. V., Rana, T. M. & Nadeem, A., Oct 1 2001, In: Structural Survey. 19, 4, p. 185-192 8 p.

Awards