

Faizal HAFIZ  
Postdoctoral researcher

Academy: Digitalization

Research center: SKEMA Centre for Analytics and Management Science

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## Education

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2019      PhD in Computational Intelligence, Auckland University, New Zealand

## Experience

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### Full-time academic positions

Since 2021      Postdoctoral Research Fellow, SKEMA Business School, France

## Publications

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### Peer-reviewed journal articles

HAFIZ, F., BROEKAERT, J. and SWAIN, A. (2025). Evolution of Neural Architectures for Financial Forecasting: A Note on Data Incompatibility during Crisis Periods. *Annals of Operations Research*, 346, pp. 1011-1025.

MUBASHIR WANI, M., HAFIZ, F., SWAIN, A. and BROEKAERT, J. (2025). Balancing energy consumption and thermal comfort in buildings: a multi-criteria framework. *Annals of Operations Research*, 346, pp. 1841-1867.

BROEKAERT, J., HAFIZ, F., LA TORRE, D. and JAYARAMAN, R. (2025). Managing resilience and viability of supranational supply chains under epidemic control scenarios. *Omega*, 133, pp. 103234.

BROEKAERT, J., LA TORRE, D., HAFIZ, F. and BRUSSET, X. (2025). The diverging control policy's hand in supranational supply chain reconfiguration. *International Journal of Production Economics*, 284, pp. 109567.

BROEKAERT, J., LA TORRE, D. and HAFIZ, F. (2024). Competing control scenarios in probabilistic SIR epidemics on social-contact networks. *Annals of Operations Research*, 336, pp. 2037-2060.

HAFIZ, F., BROEKAERT, J., LA TORRE, D. and SWAIN, A. (2024). A multi-criteria approach to evolve sparse neural architectures for stock market forecasting. *Annals of Operations Research*, 167(106680), pp. 1-45.

BROEKAERT, J., LA TORRE, D. and HAFIZ, F. (2024). The impact of the psychological effect of infectivity on Nash-balanced control strategies for epidemic networks. *Annals of Operations Research*.

BROEKAERT, J., LA TORRE, D., HAFIZ, F. and REPETTO, M. (2024). A comparative cost assessment of coalescing epidemic control strategies in heterogeneous social-contact networks. *Computers & Operations Research*, 167, pp. 106680.

HAFIZ, F., NAIK, C., LA TORRE, D. and SWAIN, A. (2024). Quantification of Nonstationary Power Quality Events: A New Index Based on  $l_p$  Norm of Energy. *IEEE Transactions on Systems, Man and Cybernetics: Systems*, 54(12), pp. 7457 - 7471.

HAFIZ, F., BROEKAERT, J., LA TORRE, D. and SWAIN, A. (2023). Co-evolution of Neural Architectures and Features for Stock Market Forecasting: A Multi-objective Decision Perspective. *Decision Support Systems*, 174, pp. 114015.

**Professional articles**

HAFIZ, F., SWAIN, A., PATEL, N. and NAIK, C. (2018). A two-dimensional (2-D) learning framework for Particle Swarm based feature selection. *Pattern Recognition*, pp. 416-433.

**Other research activities** 

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**PhD supervision**

2022                    M. MUBASHIR WANI, PhD thesis, Thesis co-director