**Technical Reports**

1. Wang, T. and L. J. Hong. Large-scale inventory optimization: A recurrent-neural-networks-inspired simulation approach. Working paper.

**Forthcoming Papers**

1. Hu, Z. and L. J. Hong. Robust simulation with likelihood-ratio constrained input uncertainty. *INFORMS Journal on Computing*, forthcoming.
2. Peng, Y., L. Xiao, B. Heidergott, L. J. Hong, and H. Lam. A new likelihood ratio method for training artificial neural networks. *INFORMS Journal on Computing*, forthcoming.

**Journal Publications**

1. Hong, L. J. and X. Zhang. 2021. Surrogate-based simulation optimization. *INFORMS TutORials in Operations Research*, 287-311.
2. Zhang, Y., J. Zhang, J. Zhang, J. Wang, K. Lu and L. J. Hong. 2022. Integrating Algorithmic Sampling-Based Motion Planning with Learning in Autonomous Driving. *ACM Transactions on Intelligent Systems and Technology*, 13(3):1-27.
3. Shen, H., L. J. Hong, and X. Zhang. 2021. Ranking and selection with covariates for personalized decision making. *INFORMS Journal on Computing*, 33:1500-1519.
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6. Jiang, G., L. J. Hong, and B. L. Nelson. 2020. Online risk monitoring using offline simulation. *INFORMS Journal on Computing*, 32:356-375.
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1. Yun, X., L. J. Hong, G. Jiang, and S. Wang. 2019. On gamma estimation via matrix kriging. *Naval Research Logistics*, 66:393-410.
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3. Zhang, Y., J. Zhang, J. Zhang, J. Wang, K. Lu and L. J. Hong. 2020. A novel learning framework for sampling-based motion planning in autonomous driving. *Proceedings of the AAAI Conference on Artificial Intelligence,* pp. 1202-1209.
4. Jiang, W. X., B. L. Nelson, and L. J. Hong. 2019. Estimating sensitivity to input model variance. *Proceedings of the 2019 Winter Simulation Conference,* pp. 3705-3716.
5. Shen, H., L. J. Hong, and X. Zhang. 2017. Ranking and selection with covariates. *Proceedings of the 2017 Winter Simulation Conference*, pp. 2137-2148.
6. Jiang, G., L. J. Hong, and B. L. Nelson. 2016. A simulation analytics approach to dynamic risk monitoring. *Proceedings of the 2016 Winter Simulation Conference*, pp. 437-447.
7. Hong, L. J., Z. Huang, and H. Lam. 2016. Approximating data-driven joint chance constrained programs via uncertainty set construction. *Proceedings of the 2016 Winter Simulation Conference*, pp. 389-400.
8. Song, E., B. L. Nelson, and L. J. Hong. 2015. Input uncertainty and indifference-zone ranking and selection. *Proceedings of the 2015 Winter Simulation Conference*, pp. 414-424.
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