

Curriculum Vitae

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Educational Qualifications

BSc (Hons) in Mathematics, The University of Hong Kong
PhD in Operations Management, The Chinese University of Hong Kong

Selected Journal Publications

- [1] Ng, C.T., Cai, X. and Cheng, T.C.E., "A Tight Lower Bound for the Completion Time Variance Problem", *European Journal of Operational Research*, 92(1), pp 211-213, 1996.
- [2] Ng, C.T. and Cai, X., "A New Model for Completion Time Variance Problem with Job-Dependent Weights and Controllable Processing Times", *International Journal of Modelling & Simulation*, 17, pp 306-309, 1997.
- [3] Ng, C.T., Cai, X. and Cheng, T.C.E., "Probabilistic Analysis of an Asymptotically Optimal Solution for the Completion Time Variance Problem", *Naval Research Logistics*, 46(4), pp 373-398, 1999.
- [4] Ng, C.T., Li, L.Y.O. and Chakhlevitch, K., "Coordinated Replenishments with Alternative Supply Sources in Two-level Supply Chains", *International Journal of Production Economics*, 73(3), pp 227-240, 2001.
- [5] Ng, C.T., Cheng, T.C.E. and Yuan, J.J., "A Note on the Single Machine Serial Batching Scheduling Problem to Minimize Maximum Lateness with Precedence Constraints", *Operations Research Letters*, 30(1), pp 66-68, 2002.
- [6] Ng, C.T., Cheng, T.C.E., Bachman, A. and Janiak, A., "Three Scheduling Problems with Deteriorating Jobs to Minimize the Total Completion Time", *Information Processing Letters*, 81(6), pp 327-333, 2002.
- [7] Ng, C.T., Cheng, T.C.E. and Yuan, J.J., "Strong NP-hardness of the Single Machine Multi-operation Jobs Total Completion Time Scheduling Problem", *Information Processing Letters*, 82(4), pp 187-191, 2002.

- [8] Bachman, A., Cheng, T.C.E., Janiak, A. and Ng, C.T., “Scheduling Start Time Dependent Jobs to Minimize the Total Weighted Completion Time”, *Journal of the Operational Research Society*, 53(6), pp 688-693, 2002.
- [9] Ng, C.T., Cheng, T.C.E. and Kovalyov, M.Y., “Batch Scheduling with Controllable Setup and Processing Times to Minimize Total Completion Time”, *Journal of the Operational Research Society*, 54(5), pp 499-506, 2003.
- [10] Ng, C.T., Cheng, T.C.E., Yuan, J.J. and Liu, Z.H., “On the Single Machine Serial Batching Scheduling Problem to Minimize Total Completion Time with Precedence Constraints, Release Dates and Identical Processing Times”, *Operations Research Letters*, 31(4), pp 323-326, 2003 (**the 15th most requested paper, April 2002 – April 2004, in *Operations Research Letters***).
- [11] Ng, C.T., Cheng, T.C.E., Kovalyov, M.Y. and Lam, S.S., “Single Machine Scheduling with a Variable Common Due Date and Resource Dependent Processing Times”, *Computers and Operations Research*, 30(8), pp 1173-1185, 2003.
- [12] Ng, C.T., Cheng, T.C.E. and Yuan, J.J., “Concurrent Open Shop Scheduling to Minimize the Weighted Number of Tardy Jobs”, *Journal of Scheduling*, 6(4), pp 405-412, 2003.
- [13] Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “The Single Machine Batching Problem with Family Setup Times to Minimize Maximum Lateness is Strongly NP-hard”, *Journal of Scheduling*, 6(5), pp 483-490, 2003.
- [14] Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “A Stronger Complexity Result for the Single Machine Multi-operation Jobs Scheduling Problem to Minimize the Number of Tardy Jobs”, *Journal of Scheduling*, 6(6), pp 551-555, 2003.
- [15] Cheng, T.C.E., Kang, L.Y. and Ng, C.T., “Due-date Assignment and Single Machine Scheduling with Deteriorating Jobs”, *Journal of the Operational Research Society*, 55(2), pp 198-203, 2004.
- [16] Ng, C.T., Cheng, T.C.E. and Kovalyov, M.Y., “Single Machine Batch Scheduling with Jointly Compressible Setup and Processing Times”, *European Journal of Operational Research*, 153(1), pp 211-219, 2004.
- [17] Ng, C.T. and Kovalyov, M.Y., “An FPTAS for Scheduling a Two-machine Flowshop with One Unavailability Interval”, *Naval Research Logistics*, 51(3), pp 307-315, 2004.
- [18] Yuan, J.J., Liu, Z.H., Ng, C.T. and Cheng, T.C.E., “The Unbounded Single Machine Parallel Batch Scheduling Problem with Family Jobs and Release Dates to Minimize Makespan”, *Theoretical Computer Science*, 320(2-3), pp 199-212, 2004.
- [19] Cheng, T.C.E., Ng, C.T., Yuan, J.J. and Liu, Z.H., “Single Machine Parallel Batch Scheduling Subject to Precedence Constraints”, *Naval Research Logistics*, 51(7), pp 949-958, 2004.

- [20] Ng, C.T., Cheng, T.C.E., Janiak, A. and Kovalyov, M.Y., “Group Scheduling with Controllable Setup and Processing Times: Minimizing Total Weighted Completion Time”, *Annals of Operations Research*, 133(1-4), pp 163-174, 2005.
- [21] Ng, C.T., Cai, X., Cheng, T.C.E. and Lam, S.S., “Minimizing Completion Time Variance with Compressible Processing Times”, *Journal of Global Optimization*, 31(2), pp 333-352, 2005.
- [22] Cheng, T.C.E., Kang, L.Y. and Ng, C.T., “Single Machine Due-date Scheduling of Jobs with Decreasing Start-time Dependent Processing Times”, *International Transactions in Operational Research*, 12(3), 355-366, 2005.
- [23] Chen, Y.J., Cheng, T.C.E., Ng, C.T. and Shan, E.F., “A Note on Domination and Minus Domination Numbers in Cubic Graphs”, *Applied Mathematics Letters*, 18(9), pp 1062-1067, 2005.
- [24] Cheng, T.C.E., Ng, C.T., Yuan, J.J. and Liu, Z.H., “Single Machine Scheduling to Minimize Total Weighted Tardiness”, *European Journal of Operational Research*, 165(2), pp 423-443, 2005.
- [25] Tian, Z.J., Ng, C.T. and Cheng, T.C.E., “On the Single Machine Total Tardiness Problem”, *European Journal of Operational Research*, 165(3), pp 843-846, 2005.
- [26] Kang, L.Y., Cheng, T.C.E., Ng, C.T. and Zhao, M., “Scheduling to Minimize makespan with Time-dependent Processing Times”, *Lecture Notes in Computer Science*, 3827, pp 925-933, 2005.
- [27] Cheng, T.C.E., Chen, Y.J. and Ng, C.T., “A Note on Acyclic Domination Number in Graphs of Diameter Two”, *Discrete Applied Mathematics*, 154, pp 1019-1022, 2006.
- [28] Chan, C.K., Li, L.Y.O., Ng, C.T., Cheung, B.K.S. and Langevin, A., “Scheduling of Multi-Buyer Joint Replenishments”, *International Journal of Production Economics*, 102, pp 132-142, 2006.
- [29] Tian, Z.J., Ng, C.T. and Cheng, T.C.E., “An $O(n^2)$ Algorithm for Scheduling Equal-length Preemptive Jobs on a Single Machine to Minimize Total Tardiness”, *Journal of Scheduling*, 9(4), pp 343-364, 2006.
- [30] Cheng, T.C.E., Ng, C.T. and Kotov, V., “A New Algorithm for Online Uniform-machine Scheduling to Minimize the Makespan”, *Information Processing Letters*, 99, pp 102-105, 2006.
- [31] Wang, J.-B., Ng, C.T., Cheng, T.C.E. and Liu, L.-L., “Minimizing Total Completion Time in a Two-machine Flow Shop with Deteriorating Jobs”, *Applied Mathematics and Computation*, 180, pp 185-193, 2006.
- [32] Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Multi-agent Scheduling on a Single Machine to Minimize Total Weighted Number of Tardy Jobs”, *Theoretical Computer Science*, 362, pp 273-281, 2006.

- [33] Ng, C.T., Cheng, T.C.E. and Yuan, J.J., “A Note on the Complexity of the Problem of Two-agent Scheduling on a Single Machine”, *Journal of Combinatorial Optimization*, 12, pp 387-394, 2006.
- [34] Yuan, J.J., Liu, Z.H., Ng, C.T. and T.C.E. Cheng, “Single Machine Batch Scheduling Problem with Family Setup Times and Release Dates to Minimize Makespan”, *Journal of Scheduling*, 9(6), pp 499-513, 2006.
- [35] Yuan, J.J., Lin, Y.X., Cheng, T.C.E. and Ng, C.T., “Single Machine Serial-batching Scheduling Problem with a Common Batch Size to Minimize Total Weighted Completion Time”, *International Journal of Production Economics*, 105, pp 402-406, 2007.
- [36] Inderfurth, K., Kovalyov, M.Y., Ng, C.T. and Werner, F., “Cost Minimizing Scheduling of Work and Rework Processes on a Single Facility under Deterioration of Reworkables”, *International Journal of Production Economics*, 105, pp 345-356, 2007.
- [37] Yuan, J.J., Lin, Y.X., Ng, C.T. and Cheng, T.C.E., “Approximability of Single Machine Scheduling with Fixed Jobs to Minimize Total Completion Time”, *European Journal of Operational Research*, 178(1), 46-56, 2007.
- [38] Ng, C.T., Allahverdi, A., Al-Anzi, F.S. and Cheng, T.C.E., “The Three-machine Flowshop Scheduling Problem to Minimize Maximum Lateness with Separate Setup Times”, *International Journal of Operational Research*, 2(2), pp 135-155, 2007.
- [39] Yuan, J.J., Cheng, T.C.E. and Ng, C.T., “NP-hardness of the Single-variable-resource Scheduling Problem to Minimize the Total Weighted Completion Time”, *European Journal of Operational Research*, 178, pp 631-633, 2007.
- [40] Kovalyov, M.Y., Ng, C.T. and Cheng, T.C.E., “Fixed Interval Scheduling: Models, Applications, Computational Complexity and Algorithms”, *European Journal of Operational Research*, 178, pp 331-342, 2007.
- [41] Liu, L.L., Ng, C.T. and Cheng, T.C.E., “Scheduling Jobs with Agreeable Processing Times and Due Dates on a Single Batch Processing Machine”, *Theoretical Computer Science*, 374, 159-169, 2007.
- [42] Cheng, T.C.E., Chen, Y.J., Zhang, Y.Q. and Ng, C.T., “The Ramsey Numbers for a Cycle of Length Six or Seven versus a Clique of Order Seven”, *Discrete Mathematics*, 307, pp 1047-1053, 2007.
- [43] Cheng, T.C.E., Kang, L.Y. and Ng, C.T., “Due-date Assignment and Parallel-machine Scheduling with Deteriorating Jobs”, *Journal of the Operational Research Society*, 58, pp 1103-1108, 2007.

- [44] Cheng, T.C.E., Kang, L.Y. and Ng, C.T., “An Improved Algorithm for the p-Center Problem on Interval Graphs with Unit Lengths”, *Computers and Operations Research*, 34, pp 2215-2222, 2007.
- [45] Kang, L.Y. and Ng, C.T., “A Note on a Fully Polynomial-time Approximation Scheme for Parallel-machine Scheduling with Deteriorating Jobs”, *International Journal of Production Economics*, 109, pp 180-184, 2007.
- [46] Cheng, T.C.E., Kang, L.Y. and Ng, C.T., “Paired Domination on Interval and Circular-arc Graphs”, *Discrete Applied Mathematics*, 155, pp 2077-2086, 2007.
- [47] Barketau, M.S., Cheng, T.C.E., Kovalyov, M.Y. and Ng, C.T., “Batch Scheduling of Deteriorating Products”, *Decision Making in Manufacturing and Services*, 1, pp 25-34, 2007.
- [48] Ng, C.T. and Kovalyov, M.Y., “Batching and Scheduling in a Multi-machine Flow Shop”, *Journal of Scheduling*, 10, pp 353-363, 2007.
- [49] Nong, Q.Q., Ng, C.T. and Cheng, T.C.E., “The Bounded Single-machine Parallel-batching Scheduling Problem with Family Jobs and Release Dates to Minimize Makespan”, *Operations Research Letters*, 36, pp 61-66, 2008.
- [50] Wang, J.-B., Ng, C.T., Cheng, T.C.E. and Liu, L.L., “Single-machine Scheduling with a Time-dependent Learning Effect”, *International Journal of Production Economics*, 111, pp 802-811, 2008.
- [51] Barketau, M.S., Cheng, T.C.E., Ng, C.T., Kotov, V. and Kovalyov, M.Y., “Batch Scheduling of Step Deteriorating Jobs”, *Journal of Scheduling*, 11, pp 17-28, 2008.
- [52] Ng, C.T., Kovalyov, M.Y. and Cheng, T.C.E., “An FPTAS for a Supply Scheduling Problem with Non-monotone Cost Functions”, *Naval Research Logistics*, 55, pp 194-199, 2008.
- [53] Chen, Y.J., Cheng, T.C.E. and Ng, C.T., “Hamilton-connectivity of 3-Domination Critical Graphs with $\alpha = \delta + 1 \geq 5$ ”, *Discrete Mathematics*, 308, pp 1296-1307, 2008.
- [54] Allahverdi, A., Ng, C.T., Cheng, T.C.E. and Kovalyov, M.Y., “A Survey of Scheduling Problems with Setup Times or Costs”, *European Journal of Operational Research*, 187, pp 985-1032, 2008 (**Top Cited Article 2007 – 2011 in *European Journal of Operational Research***).
- [55] Leung, J.Y-T., Ng, C.T. and Cheng, T.C.E., “Minimizing Sum of Completion Times for Batch Scheduling of Jobs with Deteriorating Processing Times”, *European Journal of Operational Research*, 187, pp 1090-1099, 2008.
- [56] Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Multi-agent Scheduling on a Single Machine with Max-form Criteria”, *European Journal of Operational Research*, 188, pp 603-609, 2008.

- [57] Cheng, T.C.E., Kovalyov, M.Y., Ng, C.T. and Lam, S.S., “Group Sequencing Around a Common Due Date”, *Discrete Optimization*, 5, pp 594-604, 2008.
- [58] Audet, C. , Hansen, P., Karam, A., Ng, C.T. and Perron, S., “Exact L_2 -norm plane separation”, *Optimization Letters*, 2, pp 483-495, 2008.
- [59] Wang, J.-B., Ng, C.T. and Cheng, T.C.E., “Single-machine Scheduling with Deteriorating Jobs under a Series-parallel Graph Constraint”, *Computers and Operations Research*, 35, pp 2684-2693, 2008.
- [60] Nong, Q.Q., Cheng, T.C.E. and Ng, C.T., “An Improved On-line Algorithm for Scheduling on Two Unrestrictive Parallel Batch Processing Machines”, *Operations Research Letters*, 36, pp 584-588, 2008.
- [61] Kovalev, A. and Ng, C.T., “A Discrete EOQ Problem is Solvable in $O(\log n)$ Time”, *European Journal of Operational Research*, 189, pp 914-919, 2008.
- [62] Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Single-machine Scheduling of Multi-operation Jobs without Missing Operations to Minimize the Total Completion Time”, *European Journal of Operational Research*, 191, pp 320-331, 2008.
- [63] Liu, L.L., Ng, C.T. and Cheng, T.C.E., “Bicriterion Scheduling with Equal Processing Times on a Batch Processing Machine”, *Computers and Operations Research*, 36, pp 110-118, 2009.
- [64] Ng, C.T., Tan, Z.Y., He, Y. and Cheng, T.C.E., “Two Semi-online Scheduling Problems on Two Uniform Machines”, *Theoretical Computer Science*, 410, pp 776-792, 2009.
- [65] Cheng, T.C.E., Chen, Y.J. and Ng, C.T., “Cotiameters of 3-domination Critical Graphs with Toughness More Than One”, *Discrete Mathematics*, 309, pp 1067-1078, 2009.
- [66] Ng, C.T., Cheng, T.C.E., Kotov, V. and Kovalyov, M.Y., “The EOQ Problem with Decidable Warehouse Capacity: Analysis, Solution Approaches and Applications”, *Discrete Applied Mathematics*, 157, pp 1806-1824, 2009.
- [67] Liu, L.L., Ng, C.T. and Cheng, T.C.E., “Scheduling Jobs with Release Dates on Parallel Batch Processing Machines”, *Discrete Applied Mathematics*, 157, pp 1825-1830, 2009.
- [68] Tian, Z.J., Ng, C.T. and Cheng, T.C.E., “Preemptive Scheduling of Jobs with Agreeable Due Dates on a Single Machine to Minimize Total Tardiness”, *Operations Research Letters*, 37, pp 368-374, 2009.
- [69] Tang, H.J., Cheng, T.C.E. and Ng, C.T., “Finite Dominating Sets for the Multi-facility Ordered Median Problem in Networks and Algorithmic Applications”, *Computers and Industrial Engineering*, 57, pp 707-712, 2009.

- [70] Tian, J., Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Online Scheduling on Unbounded Parallel-batch Machines to Minimize the Makespan”, *Information Processing Letters*, 109, pp 1211-1215, 2009.
- [71] Chen, Y.J., Cheng, T.C.E., Miao, Z.K. and Ng, C.T., “The Ramsey Numbers for Cycles versus Wheels of Odd Order”, *Applied Mathematics Letters*, 22, pp 1875-1876, 2009.
- [72] Ng, C.T., Matsveichuk, N.M., Sotskov, Y.N. and Cheng, T.C.E., “Two-machine Flow-shop Minimum-length Scheduling with Interval Processing Times”, *Asia-Pacific Journal of Operational Research*, 26, 715-734, 2009.
- [73] Ng, C.T., Wang, J.-B., Cheng, T.C.E. and Liu, L.L., “A Branch-and-bound Algorithm for Solving a Two-machine Flow Shop Problem with Deteriorating Jobs”, *Computers and Operations Research*, 37, pp 83-90, 2010.
- [74] Ng, C.T., Kovalyov, M.Y. and Cheng, T.C.E., “A Simple FPTAS for a Single-item Capacitated Economic Lot-sizing Problem with a Monotone Cost Structure”, *European Journal of Operational Research*, 200, pp 621-624, 2010.
- [75] Yang, L., Ng, C.T. and Cheng, T.C.E., “Evaluating the Effects of Distribution Centres on the Performance of Vendor-Managed Inventory Systems”, *European Journal of Operational Research*, 201, pp 112-122, 2010.
- [76] Liu, L.L., Ng, C.T. and Cheng, T.C.E., “On Scheduling Unbounded Batch Processing Machine(s)”, *Computers and Industrial Engineering*, 58, pp 814-817, 2010.
- [77] Tang, G., Chen, F., Cheng, T.C.E., Ng, C.T. and Chen, Z.-L., “The Loader Problem: Formulation, Complexity and Algorithms”, *Journal of the Operational Research Society*, 61, pp 840-848, 2010.
- [78] Fu, R.Y., Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Online Scheduling on Two Parallel-batching Machines with Limited Restarts to Minimize the Makespan”, *Information Processing Letters*, 110, pp 444-450, 2010.
- [79] Nong, Q.Q., Cheng, T.C.E. and Ng, C.T., “A Polynomial-time Algorithm for the Weighted Link Ring Loading Problem with Integer Demand Splitting”, *Theoretical Computer Science*, 411, pp 2978-2986, 2010.
- [80] Ng, C.T., Li, S.S., Cheng, T.C.E. and Yuan, J.J., “Preemptive Scheduling with Simple Linear Deterioration on a Single Machine”, *Theoretical Computer Science*, 411, pp 3578-3586, 2010.
- [81] Yang, B.B. and Ng, C.T., “Pricing Problem in Wireless Telecommunication Product and Service Bundling”, *European Journal of Operational Research*, 207, pp 473-480, 2010.
- [82] Ng, C.T., Barketau, M.S., Cheng, T.C.E. and Kovalyov, M.Y., “Product Partition and Related Problems of Scheduling and Systems Reliability: Computational Complexity

- and Approximation”, *European Journal of Operational Research*, 207, pp 601-604, 2010.
- [83] Liu, L.L., Ng, C.T. and Cheng, T.C.E., “On the Complexity of Bi-criterion Scheduling on a Single Batch Processing Machine”, *Journal of Scheduling*, 13, pp 629-638, 2010.
- [84] Wu, J., Wang, S.Y., Chao, X.L., Ng, C.T. and Cheng, T.C.E., “Impact of Risk Aversion on Optimal Decisions in Supply Contracts”, *International Journal of Production Economics*, 128, pp 569-576, 2010.
- [85] Tang, H.J., Cheng, T.C.E. and Ng, C.T., “Multi-facility Ordered Median Problems in Directed Networks”, *Journal of Systems Science and Complexity*, 24, pp 61-67, 2011.
- [86] Li, S.S., Ng, C.T. and Yuan, J.J., “Group Scheduling and Due Date Assignment on a Single Machine”, *International Journal of Production Economics*, 130, pp 230-235, 2011.
- [87] Lu, L.F., Ng, C.T. and Zhang, L.Q., “Optimal Algorithms for Single-machine Scheduling with Rejection to Minimize the Makespan”, *International Journal of Production Economics*, 130, pp 153-158, 2011.
- [88] Yuan, J.J., Ng, C.T. and Cheng, T.C.E., “Best Semi-online Algorithms for Unbounded Parallel Batch Scheduling”, *Discrete Applied Mathematics*, 159, pp 838-847, 2011.
- [89] Li, S.S., Ng, C.T., Cheng, T.C.E. and Yuan, J.J., “Parallel-batch Scheduling of Deteriorating Jobs with Release Dates to Minimize the Makespan”, *European Journal of Operational Research*, 210, pp 482-488, 2011.
- [90] Tian, J., Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Online Scheduling on Unbounded Parallel-batch Machines with Incompatible Job Families”, *Theoretical Computer Science*, 412, pp 2380-2386, 2011.
- [91] Zhang, F., Ng, C.T., Tang, G., Cheng, T.C.E. and Lun, Y.H.V., “Inverse Scheduling: Applications in Shipping”, *International Journal of Shipping and Transport Logistics*, 3(3), pp 312-322, 2011.
- [92] Li, S.S., Ng, C.T. and Yuan, J.J., “Scheduling Deteriorating Jobs with CON/SLK Due date Assignment on a Single Machine”, *International Journal of Production Economics*, 131, pp 747-751, 2011.
- [93] Yuan, J.J., Fu, R.Y., Ng, C.T. and Cheng, T.C.E., “A Best Online Algorithm for Unbounded Parallel-batch Scheduling with Restarts to Minimize Makespan”, *Journal of Scheduling*, 14, pp 361-369, 2011.
- [94] Ng, C.T., Wang, J.-B., Cheng, T.C.E. and Lam, S.S., “Flowshop Scheduling of Deteriorating Jobs on Dominating Machines”, *Computers and Industrial Engineering*, 61, pp 647-654, 2011.

- [95] Yang, L., Ng, C.T. and Cheng, T.C.E., “Optimal Production Strategy under Demand Fluctuations: Technology versus Capacity”, *European Journal of Operational Research*, 214, pp 393-402, 2011.
- [96] Nong, Q.Q., Cheng, T.C.E. and Ng, C.T., “Two-agent Scheduling to Minimize the Total Cost”, *European Journal of Operational Research*, 215, pp 39-44, 2011.
- [97] Cheng, T.C.E., Nong, Q.Q. and Ng, C.T., “Polynomial-Time Approximation Scheme for Concurrent Open Shop Scheduling with a Fixed Number of Machines to Minimize the Total Weighted Completion Time”, *Naval Research Logistics*, 58, pp 763-770, 2011.
- [98] Lun, Y.H.V., Lai, K.H., Ng, C.T., Wong, C.W.Y. and Cheng, T.C.E., “Research in Shipping and Transport Logistics”, *International Journal of Shipping and Transport Logistics*, 3(1), pp 1-5, 2011.
- [99] Wagner, E., Cheng, T.C.E. and Ng, C.T., “A Closed Form Solution for the Optimal Release Times for the $F2 | \text{Deteriorating Jobs} | \sum w_j C_j$ Problem”, *Discrete Applied Mathematics*, 159, pp 1367-1376, 2011.
- [100] Ng, C.T., Ding, Q., Cheng, T.C.E. and Lam, S.S., “Preemptive Repayment Policy for Multiple Loans”, *Annals of Operations Research*, 192, pp 141-150, 2012.
- [101] Tang, H.J., Cheng, T.C.E. and Ng, C.T., “A Note on the Subtree Ordered Median Problem in Networks Based on Nestedness Property”, *Journal of Industrial and Management Optimization*, 8(1), pp 41-49, 2012.
- [102] Zhang, L.Q., Lu, L.F. and Ng, C.T., “The Unbounded Parallel Batch Scheduling with Rejection”, *Journal of the Operational Research Society*, 63, pp 293-298, 2012.
- [103] Chen, Y.J., Cheng, T.C.E., Ng, C.T. and Zhang, Y.Q., “A Theorem on Cycle-wheel Ramsey Number”, *Discrete Mathematics*, 312, pp 1059-1061, 2012.
- [104] Tian, J., Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “An Improved On-line Algorithm for Single Parallel-batch Machine Scheduling with Delivery Times”, *Discrete Applied Mathematics*, 160, pp 1191-1210, 2012.
- [105] Ng, C.T. and Lu, L.F., “On-line Integrated Production and Outbound Distribution Scheduling to Minimize the Maximum Delivery Completion Time”, *Journal of Scheduling*, 15, pp 391-398, 2012.
- [106] Ng, C.T., Song, D.-P. and Cheng, T.C.E., “Optimal Policy for Inventory Transfer between Two Depots with Backlogging”, *IEEE Transactions on Automatic Control*, 57, pp 3247-3252, 2012.
- [107] Fu, R.Y., Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “An Optimal Online Algorithm for Single Parallel-Batch Machine Scheduling with Incompatible Job Families to Minimize Makespan”, *Operations Research Letters*, 41, pp 216-219, 2013.

- [108] Li, S.S., Brucker, P., Ng, C.T., Cheng, T.C.E., Shakhlevich, N.V. and Yuan, J.J., “A Note on Reverse Scheduling with Maximum Lateness Objective”, *Journal of Scheduling*, 16, pp 417-422, 2013.
- [109] Yang, L., Dong, C.W., Wan, C.L.J. and Ng, C.T., “Electricity Time-of-Use Tariff with Consumer Behavior Consideration”, *International Journal of Production Economics*, 146, pp 402-410, 2013. (<http://dx.doi.org/10.1016/j.ijpe.2013.03.006>)
- [110] Tang, H.J., Pang, C. and Ng, C.T., “Optimization of Vehicle Population and Reduction of CO₂ Emission”, *International Journal of Shipping and Transport Logistics*, 6, pp 412-421, 2014.
- [111] Ngai, E.W.T., Cheung, B.K.S., Lam, S.S. and Ng, C.T., “RFID Value in Aircraft Parts Supply Chains: A Case Study”, *International Journal of Production Economics*, 147, pp 330-339, 2014.
- [112] Ng, C.T., Cheng, T.C.E., Bandalouski, A.M., Kovalyov, M.Y. and S.S. Lam, “A Graph-Theoretic Approach to Interval Scheduling on Dedicated Unrelated Parallel Machines”, *Journal of the Operational Research Society*, 65, pp 1571-1579, 2014.
- [113] Yang, L., Wang, Y., Ma, J., Ng, C.T. and Cheng, T.C.E., “Technology Investment under Flexible Capacity Strategy with Demand Uncertainty”, *International Journal of Production Economics*, 154, pp 190-197, 2014.
- [114] Liu, L.L., Ng, C.T. and Cheng, T.C.E., “Scheduling Jobs with Release Dates on Parallel Batch Processing Machines to Minimize the Makespan”, *Optimization Letters*, 8, pp 307-318, 2014.
- [115] Zhang, B., Ng, C.T. and Cheng, T.C.E., “Multi-Period Empty Container Repositioning with Stochastic Demand and Lost Sales”, *Journal of the Operational Research Society*, 65, pp 302-319, 2014.
- [116] Yang, L. and Ng, C.T., “Flexible Capacity Strategy with Multiple Market Periods under Demand Uncertainty and Investment Constraint”, *European Journal of Operational Research*, 236, pp 511-521, 2014.
- [117] Coffman, E.G., Ng, C.T. and Timkovsky, V.G., “How Small Are Shifts Required in Optimal Preemptive Schedules?”, *Journal of Scheduling*, 18, pp 155-163, 2015.
- [118] Yuan, J.J., Ng, C.T. and Cheng, T.C.E., “Two-Agent Single-Machine Scheduling with Release Dates and Preemption to Minimize the Maximum Lateness”, *Journal of Scheduling*, 18, pp 147-153, 2015.
- [119] Li, S.S., Cheng, T.C.E., Ng, C.T. and Yuan, J.J., “Single-Machine Batch Scheduling with Job Processing Time Compatibility”, *Theoretical Computer Science*, 583, pp 57-66, 2015.
- [120] Cheng, T.C.E., Y.M. Shafransky and Ng, C.T., “An Alternative Approach to Proving

- the NP-hardness of Optimization Problems”, *European Journal of Operational Research*, 248, pp 52-58, 2016.
- [121] Chan, T.-Y., Wong, C.W.Y., Lai, K.-H., Lun, V.Y.H., Ng, C.T. and Ngai, E.W.T., “Green Service: Construct Development and Measurement Validation”, *Production and Operations Management*, 25, pp 432-457, 2016.
- [122] Dong, C., Shen, B., Chow, P.-S., Yang, L., Ng, C.T., “Sustainability Investment under Cap-and-Trade Regulation”, *Annals of Operations Research*, 240, pp 509-531, 2016.
- [123] Dong, C., Ng, C.T. and Cheng, T.C.E., “Electricity Time-of-Use Tariff with Stochastic Demand”, *Production and Operations Management*, 26, pp 64-79, 2017.
- [124] Leung, J.Y-T. and Ng, C.T., “Fast Approximation Algorithms for Uniform Machine Scheduling with Processing Set Restrictions”, *European Journal of Operational Research*, 260, pp 507-513, 2017.
- [125] Yang, L., Ng, C.T. and Ni, Y.D., “Flexible Capacity Strategy in an Asymmetric Oligopoly Market with Competition and Demand Uncertainty”, accepted by *Naval Research Logistics*, 2017.