Laurent Poirrier

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Education and employment

2026 –	Professor of practice SDA Bocconi School of Management
2022 – 2026	Adjunct professor Department of Computer Science, Bocconi University
2017 – 2020	Research assistant professor Combinatorics and Optimization (Faculty of Mathematics), University of Waterloo
2013 – 2016	Postdoctoral fellow Combinatorics and Optimization (Faculty of Mathematics), University of Waterloo
2012 – 2013	Postdoctoral fellow Mathematics Department, Università degli Studi di Padova
2008 – 2012	PhD in Applied Sciences (advisor: Quentin Louveaux). Montefiore Institute, University of Liège
2003 – 2008	Engineering Degree in Electronics University of Liège

Publications

1. The Aggregation Closure is Polyhedral for Packing and Covering Integer Programs,
   K. Pashkovich, L. Poirrier, H. Pulyassary. Mathematical Programming A, 195(1):1135-1147, 2022.

2. On the depth of cutting planes.
   L. Poirrier, J. Yu. Submitted.

3. Multirow Intersection Cuts from the Infinity Norm,
   Á. Xavier, R. Fukasawa, L. Poirrier. INFORMS Journal on Computing, 33(4):1624-1643, 2021

4. Three-dimensional Stable Matching with Cyclic Preferences.
   K. Pashkovich, L. Poirrier. Optimization Letters, 14(8):2615-2623, 2020.

5. Split cuts from sparse disjunctions.
   R. Fukasawa, L. Poirrier, S. Yang. Mathematical Programming Computation, 12(2):(295-335), 2020.

6. Permutations in the factorization of simplex bases.
   R. Fukasawa, L. Poirrier. INFORMS Journal on Computing, 31(3):612-632, 2019.

7. The (not so) Trivial Lifting in Two Dimensions.
   R. Fukasawa, L. Poirrier, Á. Xavier. Mathematical Programming Computation, 11(2):(211-235), 2019.

8. Intersection cuts for single row corner relaxations.
   R. Fukasawa, L. Poirrier, Á. Xavier. Mathematical Programming Computation. 10(3):423-455, 2018.

9. Numerically safe bounds for the capacitated vehicle routing problem.
   R. Fukasawa, L. Poirrier. INFORMS Journal on Computing. 29(3):544-557, 2017.

10. The strength of multi-row models.
    Q. Louveaux, L. Poirrier, D. Salvagnin, Mathematical Programming Computation. 7(2):113-148, 2015.

11. An algorithm for the separation of two-row cuts.
    Q. Louveaux, L. Poirrier, Mathematical Programming. 143(1-2):111-146, 2014.

12. Gemvid, an open source, modular, automated activity recording system for rats using digital video. J.E. Poirrier, L. Poirrier, P. Leprince, P. Maquet, Journal of Circadian Rhythms 4:10, 2006.

PhD thesis: Multi-row approaches to cutting plane generation. L. Poirrier, 2012.