

# Minh Tam Tran, Ph.D. Candidate (Last updated 20 December 2023)

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## Employment History

- 1/2024 – 12/2024 ■ **Postdoctoral Researcher**, Centrale Supélec - Université Paris-Saclay, France.
- 9/2023 – 8/2024 ■ **Adjunct Lecturer**, ESSCA Business School, France.
- 10/2020 – 8/2023 ■ **Lecturer & Research Assistant**, EMLYON Business School, France.
- 11/2019 – 9/2020 ■ **Quantitative Researcher**, Allianz, France.
- 6/2019 – 10/2019 ■ **Data Scientist**, GroupM, France.

## Education

- 10/2020 – 8/2023 ■ **Ph.D., National Institute of Applied Sciences of Lyon (INSA Lyon), France** in Industrial Engineering, Operational Research, and Management Science.  
Working contract with EMLYON Business School.  
Thesis title: *Blur the line between Online and Offline: End-to-End Flow Management Perspective*.  
Supervisors: [Prof. Yacine Rekik](#), ESCP Business School, France & [Prof. Khaled Hadj-Hamou](#), INSA Lyon, France.
- 9/2019 – 9/2020 ■ **M.Sc. Applied Mathematics, Paris Dauphine University, Paris Sciences et Lettres University (PSL University), France.**  
[Master's Year 2 program in Statistical and Financial Engineering, Data Science](#).  
Apprenticeship contract with Allianz France.  
Thesis title: *Technical Provision and Interest Rate in International Financial Reporting Standards - IFRS 17*.
- 9/2018 – 8/2019 ■ **M.Sc. Applied Mathematics, Paris Dauphine University, Paris Sciences et Lettres University (PSL University), France.**  
[Master's Year 2 program in Mathematics of Insurance, Economics, and Finance](#).  
Scholarship from the [Paris Mathematical Sciences Foundation \(FSMP\)](#) in [Paris Graduate School of Mathematics \(PGSM\)](#) program.  
Thesis title: *Analyzing, Forecasting, and Optimal Bidding in Display Advertising*.
- 9/2017 – 8/2018 ■ **M.Sc. Advanced Mathematics, Ecole Normale Supérieure de Paris (ENS Ulm), Paris Sciences et Lettres University (PSL University), France.**  
[Master's Year 1 program in Mathematics](#).  
Scholarship from the [Paris Mathematical Sciences Foundation \(FSMP\)](#) in [Paris Graduate School of Mathematics \(PGSM\)](#) program.
- 9/2013 – 8/2017 ■ **B.Sc. Mathematics, University of Science, Vietnam National University, Hanoi (VNU-HUS).**  
*First Class Honours*, [Talented program in Mathematics](#).  
Scholarship from Vietnam National University, Hanoi & [National Program for the Development of Mathematics until 2020](#), Vietnam Institute for Advanced Study in Mathematics (VIASM).
- 9/2010 – 8/2013 ■ **High School for Gifted Student (specialized in Mathematics) - University of Science, Vietnam National University, Hanoi (HSGS-HUS-VNU).**  
*First Class Honours*.  
Scholarship from Vietnam National University, Hanoi & [National Program for the Development of Mathematics until 2020](#), Vietnam Institute for Advanced Study in Mathematics (VIASM).

## Research Interest

- Operational Research & Management Science.
- Decision under Uncertainty using Data-Driven Optimization & Stochastic Optimization.
- Blockchain & Information Sharing in Supply Chain Management.
- Artificial Intelligence and Data-Driven Decision Making.
- On-Demand Transport and Intermodal Mobility for Future Cities.

## Working papers in progress

- Optimization under Uncertainty for On-Demand Transport Systems within Large Urban Regions.
- Data-driven and Machine Learning Models for Operational Management.
- Sustainable Supply Chain with Data-Driven, Machine Learning, and AI Applications.
- Blockchain and Technology Adoption in Food Supply Chain Networks.

## Research Publications

### Journal Articles

- 2023 ■ **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. Optimal pricing for dual-channel retailing with stochastic attraction demand model. *International Journal of Production Economics*, 109127. <https://doi.org/10.1016/j.ijpe.2023.109127>.

### Preprints under Review

- **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. *Optimal pricing for a multi-channel stochastic demand with service levels*. 1st revised manuscript submitted to OR Spectrum, June 2023.



### Conference Proceedings

- 2021 ■ **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2021, August). Pricing Decisions for an Omnichannel Retailing Under Service Level Considerations. In *IFIP International Conference on Advances in Production Management Systems* (pp. 175-185). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-030-85906-0\\_20](https://doi.org/10.1007/978-3-030-85906-0_20).









### Conference without Proceedings

- 2023 ■ **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2023, November). Pricing strategy for dual-channel retailing using a stochastic attraction-demand model. In *PGMO Days 2023 - Gaspard Monge program for Optimization, Operations Research and their interactions with Data Science*.
- **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2023, August). Pricing strategies for dual channels retailers with stochastic attraction demand model. In *10th Vietnam Mathematical Congress*.
- **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2023, February). A data-driven based approach for newsvendor problem subject to inventory inaccuracy. In *24ème congrès annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision*.
- 2022 ■ **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2022, August). Optimal pricing for multi-channel retailing with stochastic attraction demand model. In *21st International Symposium on Inventories*.
- **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2022, February). Optimal pricing for a stochastic omnichannel attraction demand model with target cycle service levels. In *Twenty-second International Working Seminar on Production Economics*.





## Research Publications (continued)

- 2021  **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2022, February). A chance-constrained optimisation model for the pricing and ordering omnichannel problem. In *23ème congrès annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision*.
- 2021  **Tran, M. T.**, Rekik, Y., & Hadj-Hamou, K. (2021, August). Integrated Inventory and Pricing Decisions for an Omnichannel Retailing model under Cycle Service Level. In *15th International Society for Inventory Research Summer Schools - Data-Driven Inventory Management and Modelling*.




## Presentations

- 2023  PGMO Days 2023 - Gaspard Monge program for Optimization, Operations Research and their interactions with Data Science, EDF Lab Paris-Saclay, Palaiseau, France.
-  10<sup>th</sup> Vietnam Mathematical Congress, Da Nang, Vietnam.
-  24<sup>th</sup> annual congress of French Operations Research & Decision Support Society, Rennes, France.
- 2022  21<sup>st</sup> International Symposium on Inventories, Budapest, Hungary.
-  22<sup>nd</sup> International Working Seminar on Production Economics, Innsbruck, Austria.
-  23<sup>rd</sup> annual congress of French Operations Research & Decision Support Society, Lyon, France.
- 2021  International Conference on Advances in Production Management Systems, Nantes, France.
-  15<sup>th</sup> International Society for Inventory Research Summer Schools - Data-Driven Inventory Management and Modelling, Luxembourg.

## Teaching

- 2023 – 2024  **Quantitative Methods for Finance** course for students in “Programme Grande École (PGE)” and Master of Science programs at ESSCA Business School; **Data Science project** course for students in Bachelor of Science program at Paris Dauphine University - PSL University, France.
- 2022 – 2023  **Business Statistics** course for students in “Programme Grande École (PGE)” and Master of Science programs at EMLYON Business School, France.
- 2021 – 2022  **Operations Management** and **Introduction to Business Statistics and Data Analysis** courses for students in “Programme Grande École (PGE)” and Master of Science programs at EMLYON Business School, France.
- 2020 – 2021  **Operations Management** and **Introduction to Statistics** courses for students in “Programme Grande École (PGE)” and Master of Science programs at EMLYON Business School, France.



## Skills

- Languages  English: *fluent*; French: *intermediate*; Vietnamese: *native*.
- Coding  Python, SAS, R, SQL, C++, VBA,  $\text{\LaTeX}$ , ...
- Misc.  Academic research, teaching, training,  $\text{\LaTeX}$  typesetting and publishing.

## Miscellaneous Experience

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### Awards and Achievements

- 2017–2019     **Scholarship for Master studies**, Paris Mathematical Sciences Foundation in Paris Graduate School Mathematics, for Master's in Applied Mathematics program at Ecole Normale Supérieure de Paris – ENS Ulm and Paris Dauphine University, Paris Sciences et Lettres University (PSL University).
- 2013–2017     **Scholarship for Bachelor studies**, University of Science, Vietnam National University, Hanoi (VNU-HUS) & National Program for the Development of Mathematics until 2020, Vietnam Institute for Advanced Study in Mathematics (VIASM).

### Service

-  **Member of academic association:** International Society for Inventory Research; French Operations Research & Decision Support Society; French Society of Automation, Industrial Engineering and Production.
-  **Social activity:** Session chair “Artificial Intelligence Based Optimization Techniques for Demand-Driven Manufacturing”, International Conference on Advances in Production Management Systems 2021; Session chair “Pricing strategies”, PGMO Days 2023 - Gaspard Monge program for Optimization, Operations Research and their interactions with Data Science.
-  **Reviewer** for “Applied Mathematical Modelling” journal.


## References

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### Prof. Yacine Rekik

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ESCP Business School,  
79 Av. de la République, 75011 Paris.  
 [yrekik@escp.eu](mailto:yrekik@escp.eu)

### Prof. Khaled Hadj Hamou

Professor  
National Institute of Applied Science of Lyon,  
20 Av. Albert Einstein, 69100 Villeurbanne.  
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