

## **Younes Hamdouch**

Professor of Operations Management

College of Business

Alfaisal University

Riyadh , KSA

**Nationality:** Canadian

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### **ACADEMIC BACKGROUND**

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2002	University of Montreal, Canada	Ph.D. Operations Research
1996	University of Montreal, Canada	M.S. Applied Mathematics
1994	Mohammed V University, Morocco	B.S. Applied Mathematics

### **SCOPE OF TEACHING EXPERIENCE**

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- Operations Management
- Computational Modeling
- Business Analytics
- Operations Research
- Logistics and Supply Chain Management
- Total Quality Management and Six Sigma

### **HIGHLIGHTS OF QUALIFICATIONS**

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- Knowledge and practice of active and experiential learning methods in teaching
- Excellent student and peer teaching evaluations
- Taught across many disciplines (business, industrial engineering, mathematics, computer science)
- Rich experience in program development and curriculum design
- Development of models in operations and business optimization
- Programming and simulation
- Problem analysis skills
- Conceptual and critical thinking skills

## **WORK EXPERIENCE**

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Aug 2024 – Present	Professor	Department of Operations Management College of Business Alfaisal University, Riyadh, KSA
Aug 2023 – July 2024	Professor	Department of Management College of Business Zayed University, Dubai, UAE
Aug 2019 – July 2023	Associate Professor	Department of Management College of Business Zayed University, Dubai, UAE
Aug 2020 – Aug 2021	Assitant Dean for Students Affairs	College of Business Zayed University, Dubai, UAE
Sep 2014 – Aug 2018	Department Chair	Department of Business Administration College of Business and Economics United Arab Emirates University, UAE
Sep 2010 – Aug 2019	Associate Professor	Department of Business Administration College of Business and Economics United Arab Emirates University, UAE
Sep 2004 – Aug 2010	Assistant Professor	Department of Business Administration College of Business and Economics United Arab Emirates University. UAE
Feb 2007 – Sep 2007	Deputy Chair	Department of Business Administration College of Business and Economics United Arab Emirates University, UAE
Sep 2003 – Aug 2004	Postdoctoral Fellow	Industrial and Systems Engineering Department University of Florida, USA

## **AWARDS AND HONORS**

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2007	College Recognition Award for Excellence in Research, UAE University
2002	Ph.D. dissertation rated among the top 10% at the University of Montreal
2009	Business Administration Department Recognition Award for Excellence in Teaching, U.A.E University
1994	Ranked first among all graduating students at the Mohammed V University, Morocco

## **TEACHING EXPERIENCE**

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### **Graduate Courses**

- DBA 904: Research in Support of Business Functions (DBA, UAE University)
- MGMT 675: Logistics and Supply Chain Management (MBA, UAE University)
- MGMT 691: Total Quality Management (MBA, UAE University)
- MGMT 650: Global Operations Management (MBA, UAE University)
- MGMT 655: Supply Chain Management (UAE University)
- MGMT 665: Management and Leadership (UAE University)
- ESI 6321: Applied Probability Methods in Engineering (University of Florida)

### **Undergraduate Courses**

- OPM 211: Business Statistics (Alfaisal University)
- OPR 300: Operations Management (Zayed University)
- SCML 200: Supply Chain Management and Operations (UAE University)
- SCML 320: Procurement and Supply Management (UAE University)
- SCML 330: Transportation and Logistics Management (UAE University)
- SCML 460: Supply Chain Management Application & Strategy (UAE University)
- MGMT 365: Operations Research (UAE University)
- MGMT 334: Service Operations Management (UAE University)
- MGMT 230: Production and Operations Management (UAE University)
- MGMT 105: Fundamentals of Management (UAE University)
- MGMT 185: Business Basis (UAE University)
- IFT 1575: Models in Operations Research (University of Montreal)
- IFT 2505: Optimization Techniques (University of Montreal)
- IFT 1065: Discrete Mathematical Structures (University of Montreal)
- IFT 2425: Numerical Algorithms (University of Montreal)
- IFT 1166: Object-Oriented Programming with C++ (University of Montreal)
- IFT 1170: Java Programming and applications (University of Montreal)
- MAT 1911: Analysis for Computer Scientists (University of Montreal)
- MAT 1986: Integral and Differential Analysis for Economists (University of Montreal)

## **STUDENT ADVISING**

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- Faculty Advisor, College of Business,  
Zayed University, August 2019 – Present
- Faculty Advisor, Supply Chain & Logistics Management,  
U.A.E University, September 2010 – August 2019

## RESEARCH PUBLICATIONS

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- K. Ghoudi **Y. Hamdouch**, Y. Boulaksil, and H. Sadeque (2024), “*Supply chain coordination in a dual sourcing system under the tailored base-surge policy*” European Journal of Operations Research, Vol 317(2), 533-549
- **Y. Hamdouch**, Y. Boulaksil and K. Ghoudi (2023), “*Dual sourcing inventory management with nonconsecutive lead times from a supply chain perspective*” OR Spectrum, Vol 45, 1013-1041
- Y. Boulaksil, **Y. Hamdouch**, K. Ghoudi and J.C. Fransoo (2021), “*Comparing policies for the stochastic multi-period dual sourcing problem from a supply chain perspective*” International Journal of Production Economics, Vol 232
- A.A. Falasi, M.A. Serhani, **Y. Hamdouch** (2021), “*End-to-end SLA management in federal clouds*” International Journal of Cloud Computing, Vol 10(3), 179-206
- **Y. Hamdouch** and K. Ghoudi (2020), “*A supply chain equilibrium model with general price dependent demand*” Operations Research Perspectives, Vol 7
- **Y. Hamdouch**, Q.P. Qiang and K. Ghoudi (2017), “*A closed-loop supply Chain equilibrium model with random and price-sensitive demand and return*” Networks and Spatial Economics Vol 17(2), 459-503
- G. Gentile, M. Florian, **Y. Hamdouch**, O. Cats, A. Nuzzolo (2016), “*The theory of transit assignment: basic modelling frameworks*” Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems, 287-386
- A.A. Falasi, M.A. Serhani, **Y. Hamdouch** (2015), “*A game theory based automated SLA negotiation model for confined federated Clouds*” International Conference on Cloud Computing, 102-113
- **Y. Hamdouch**, W.Y. Szeto and Y. Jiang (2014), “*A new schedule-based transit assignment model with travel strategies and supply uncertainties*” Transportation Research B, Vol 67, 35-67
- **Y. Hamdouch** (2011), “*Multi-Period Supply Chain Network Equilibrium with Capacity Constraints and Purchasing Strategies*” Transportation Research C, Vol 19, 803-820
- **Y. Hamdouch**, H.W. Ho, A. Sumalee and G. Wang, G. (2011), “*Schedule-Based Transit Assignment Model with Vehicle Capacity and Seat Availability*” Transportation Research B, Vol 45, 1805-1830
- **Y. Hamdouch** and S. Lawphongpanich (2010), “*Congestion Pricing for Schedule Based Transit Networks*” Transportation Science, Vol 44 , 350-366

- Y. Hawas, M. Napenas and **Y. Hamdouch** (2009), “*Comparative Assessment of Invehicular Communication Algorithms for Real-Time Traffic Route Guidance*” Journal of Intelligent Transportation Systems, Vol 13 (4), 199-217
- **Y. Hamdouch** and S. Lawphongpanich (2008), “*Schedule-Based Transit Assignment Model with Travel Strategies and Capacity Constraints*” Transportation Research B, Vol 42, 663-684
- **Y. Hamdouch**, M. Florian, D.W. Hearn and S. Lawphongpanich (2007), “*Congestion Pricing for Multi-Modal Transportation Systems*” Transportation Research B, Vol 41, 275-291
- **Y. Hamdouch**, P. Marcotte and S. Nguyen (2004), “*A strategic model for dynamic traffic assignment*” Networks and Spatial Economics, Vol 4, 291-315
- **Y. Hamdouch**, P. Marcotte and S. Nguyen (2004), “*Capacitated transit assignment with loading priorities*” Mathematical Programming B, Vol 101, 205-230

#### **PAPERS UNDER REVIEW**

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- H. Sadeque, Y. Boulaksil, K. Ghoudi and **Y. Hamdouch** (2024), “*Multi-echelon dual sourcing inventory management under demand disruption*” Operations Research Perspectives  
First Round of Review

#### **OTHER PUBLICATIONS**

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- Hamdouch and M. Florian (2005), “*Capacity Considerations in Transit Assignment: A Review*”, Publication CRT-2005-10, **Center for Research on Transportation**, University of Montreal
- Y. Hamdouch (2002), “*Affectation statique et dynamique des usagers dans un réseau de transport avec capacités rigides*”, Ph.D. Dissertation, Publication CRT-2002-40, **Center for Research on Transportation**, University of Montreal

#### **INVITED TALKS AND PRESENTATIONS**

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- “Consignment and revenue-sharing contracts with competing retailers under demand uncertainties”, POMS Conference, Granada, Spain, October 2018
- “Schedule-based transit assignment model with travel strategies and network uncertainties”, TRANSITS Forum, London, April 2014

- “A new schedule-based transit assignment model with travel strategies and network uncertainties”, The 5<sup>th</sup> International Symposium on Transportation Network Reliability, Hong Kong, December 2012
- “Strategic Behavior of passengers in transit networks with explicit capacities” The 16<sup>th</sup> HKSTC International Conference, Hong Kong, December 2011
- “A Closed Loop Supply Chain Equilibrium Model with Random Demands” POMS 22<sup>nd</sup> Annual Conference, Reno, Nevada, U.S.A, May 2011
- “Second Best Pricing for Transit Networks”, Seventh Triennial Symposium on Transportation Analysis, Tromso, Norway, June 2010
- “A dynamic frequency-based assignment model for congested transit networks using probit-based stochastic user equilibrium”, 11<sup>th</sup> International Conference Advanced Systems for Public Transport, Hong Kong, July 2009.
- “Multi-Period Supply Chain Network Equilibrium Problem with Capacity Constraints and Purchasing Strategies”, Fourth International Workshop on Freight Transportation and Logistics, Cesme, Izmir, Turkey, May 2009.
- “Congestion Pricing for Transit Systems”, 10th International Conference on Applications of Advanced Technologies in Transportation, Athens, Greece, May 2008.
- “Schedule-Based Transit Assignment Model with Travel Strategies and Capacity Constraints”, Sixth Triennial Symposium on Transportation Analysis, Phuket, Thailand, June 2007
- “Congestion Pricing for Capacitated Transit Networks with Loading Priorities,” International Mathematical Programming Symposium, Rio de Janeiro, Brazil, August 2006.
- “A strategic equilibrium model for passenger assignment in capacitated networks with timetables”, International Conference on Computational Management Science, Amsterdam, Netherlands, May 2006
- “Capacity Transit Assignment with Loading Priorities”, Workshop on Models for Transit Planning and Management, Kyoto University, Japan, June 2005
- “Capacity Transit Assignment with Loading Priorities”, Institute of Industrial Science, University of Tokyo, Japan, June 2005
- “Toll Pricing on Multi-Modal Transportation Networks” CORS/INFORMS Meeting, Banff, Canada, May 2004

- “A new loading algorithm for cyclic networks with rigid capacities” INFORMS Annual Meeting, San Jose, CA, USA, November 2002
- “A strategic approach to traffic assignment: the dynamic case” Canadian Operations Research Society Annual Meeting, Québec City, Canada, May 2001
- “A strategic approach to traffic assignment: the static case” INFORMS Annual Meeting, San Antonio, TX, USA, November 2000
- “Equilibrium modeling on capacitated network” International Symposium on Mathematical Programming, Atlanta, GA, USA, August 2000

## **RESEARCH GRANTS**

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- Co-Principal Investigator, “Supply chain coordination in a stochastic multi-echelon dual sourcing system”, UPAR/UAE University, 2022-2023, AED 244,000
- Co-Principal Investigator, “Optimal policies for a multi-period dual sourcing system from a supply chain perspective”, UPAR/UAE University, 2019-2021, AED 200,000
- Principal Investigator, “The impact of perceiving grading leniency and discrepancy on student evaluations of teaching: The case of United Arab Emirates University”, Summer Undergraduate Research Experiences (SURE), Summer 2017, AED 36,000.
- Principal Investigator, “Assessing the quality of student services at UAEU using SERVQUAL model”, Summer Undergraduate Research Experiences (SURE), Summer 2016, AED 36,000.
- Principal Investigator, “Optimizing the Design of Transit Schedules in Transport Networks with Random Demands”, National Research Foundation/UAE University, 2012-2014, AED 400,000
- Co-Principal Investigator, “Value Pricing in Multi-Modal Transportation Systems”: Models and Methods”, Volvo Research Foundation, 2005-2006, USD 206,487

## **DBA SUPERVISION**

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- **“Role of Information Sharing in Supply Chain Management to Enhance the Capabilities of a Defense Firm in The UAE: The Case of Tawazun Subsidiaries”**, September 2013 – November 2017

September 2024

## **SERVICE**

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### **Academic Administration**

- Assistant Dean for Student Affairs, College of Business, Zayed University, August 2020 – August 2021; January 2024-July 2024
- Chair, Department of Business Administration, U.A.E University, September 2014 – August 2018
- Vice Chair, Department of Business Administration, U.A.E University, February 2007 – September 2007
- Chair, Management Track, Department of Business Administration, U.A.E University, September 2005 – September 2006

### **Committees**

- Chair, Promotion Committee, College of Business, Zayed University, 2023-2024
- Member, Institutional Teaching and Learning University Standing Committee, Zayed University, 2022-2023
- Chair, Teaching and Learning Committee, College of Business, Zayed University, 2022-2023
- Member, Dean's Executive Council, College of Business, Zayed University, 2020-2021
- Member, Students Affairs Committee, College of Business, Zayed University, 2020-2021
- Co-Chair, Academic Integrity and Student Conduct Committee, College of Business, Zayed University, 2020-2021
- Member, Benchmarking Committee, College of Business, Zayed University, 2020-2023
- Member, Operations Management Recruitment Committee, College of Business, Zayed University, 2020-2023
- Member, Promotion Committee, College of Business, Zayed University, 2019-2020
- Member, Curriculum Review Committee, College of Business, Zayed University, 2019-2020
- Member, College Council, College of Business and Economics, UAE University, 2014-2018
- Member, College Executive Committee, College of Business and Economics, UAE University, 2014-2018
- Member, Strategic Planning Council, College of Business and Economics, UAE University, 2014-2018
- Member, DBA Program Admissions and Steering Committee, College of Business and Economics, UAE University, 2016-2018
- Member, Teaching Assistants Committee, College of Business and Economics, UAE University, 2015-2018



## Professional

- Member, Editorial Board, Transportmetrica Journal, 2013-2017
- Conference Facilitator, Innovations in Pricing of Transportation Ssystems, Orlando, Florida, May 2010
- Article Reviewer for Transportation Science, European Journal of Operations Research, Transportation Research B, Transportation Research C, Transportation Research E, Transactions on Intelligent Transportation Systems, Networks and Spatial Economics, Transportmetrica B, Computational Optimization and Applications (2008 -Present)
- External reviewer of the supply chain book: “Supply Chain Analytics: Data Analysis & Decision Making in Modern Supply Chains” published by Macmillan International Higher Education, UK, October 2018
- Conference Paper Reviewer for Transportation Research Record (2007-2009)

## TECHNICAL SKILLS

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<b>Languages</b>	Fluent in English, Arabic and French
<b>Computer</b>	TABLEAU, POWER BI, MATLAB softwares C, C++, Java, Fortran, Latex Microsoft Office (Word, Excel and PowerPoint)

## REFERENCES

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### **Prof. Taoufik Zoubeidi**

Professor  
College of Business and Economics  
United Arab Emirates University  
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### **Prof. Kilani Ghoudi**

Professor  
College of Business and Economics  
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Email: [kghoudi@gmail.com](mailto:kghoudi@gmail.com)

### **Prof. Michael Florian**

Professor Emeritus  
University of Montreal  
Email: [mike@inrosoftware.com](mailto:mike@inrosoftware.com)