

## Fouad El Ouardighi

**Professeur ,  
Département  
Management des  
Opérations**

### Contact

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## Formation

- International Teacher Program (ITP), Manchester Business School, Manchester, England, 2003
  - Ph.D., management science, ESSEC Business School, Paris, France, 2001
  - Doctorat, sciences de gestion, Université Paris X Nanterre, Paris, France, 1996
  - DEA (major de promotion), sciences de gestion, ESSEC-HEC-Université Paris X Nanterre, Paris, France, 1991
  - DEA, dynamique des systèmes productifs et économie mondiale, Université Paris X Nanterre, Paris, France, 1989
  - Maîtrise, économie de l'entreprise, Université Paris X Nanterre, Paris, France, 1988
  - Baccalauréat, série B, Lycée Descartes, Rabat, Maroc, 1984
- Langues : Arabe, Anglais

## Biographie

Fouad El Ouardighi teaches supply chain management, project management and the management of quality and its control in the MSc and the Advanced Masters programs. He also teaches supply chain management, optimal control theory and continuous-time dynamic games in the PhD program.

His main research interests are in applications of optimal control and dynamic games to operations and supply chain management, marketing, industrial organization, environmental economics and more recently to healthcare economics. He visited many foreign academic institutions as University of Washington in Seattle, HEC-Montreal, HEC-Paris, McGill University, Bar-Ilan University, etc. He has written several articles that have been published in *Automatica*, *International Journal of Production Economics*, *Journal of Optimization Theory and Applications*, *Journal of Economic Dynamics and Control*, *Annals of Operations Research*, *European Journal of Operational Research*, *Applied Mathematical Modeling*, *Naval Research Logistics*, *OMEGA*, etc. He is Associate Editor for *International Game Theory Review*.

Fouad was former academic director of various Advanced Masters programs in Operations Management, as well as pedagogic coordinator of the Operations Management and Decision Sciences concentration of the PhD program. He also consults for international organizations.

## Thèmes de recherche

- Supply chain management
- Operations-marketing interface
- Pollution control
- R&D competition

## Projets en cours

- " Production-based pollution versus deforestation: Optimal policy with state-independent and -dependent environmental absorption efficiency restoration process ", with E. Khmelnitsky and M. Léandri, *Annals of Operations Research*, first evaluation
- " Is recycling more effective with production or consumption ? An Environmental Kuznets Curve-based approach ", with K. Kogan and R. Boucekkine, *Canadian Journal of Economics*, first evaluation
- " Control of relapsing addiction with health- and cost-centered policies ", with D. Grass, *Operations Research*, first evaluation

In progress:

- " Dynamic Games in Supply Chain Management ", book in preparation for Springer
- " Cheating or delighting customers on quality? ", with K. Kogan and D. Grass
- " Incumbent's experience-based uncertain entry and the Sylos-Labini postulate ", with K. Kogan
- " A dynamic game between professor and academic institution "
- " A unifying model of optimal pollution control and renewable natural resource harvesting ", with E. Khmelnitsky
- " A dynamic game of optimal growth with polluting waste and recycling "
- " Dynamic Methods in Economics and Management Science ", book in preparation for Springer
- " Pollution control and environmental absorption efficiency management under Cournot competition ", with A. Novack
- " Emissions, deforestation and renewable natural resource harvesting under time-dependent environmental absorption efficiency "

## Publications

### Publications académiques

#### Ouvrages

*Models and Methods in Economics and Management Science - Essays in Honor of Charles S. Tapiero.* (avec K. Kogan). New York (USA) : Springer, 2013

*Dynamique industrielle et cycle de vie des produits.* Rabat (Maroc) : Marif El Jadida, 1994

#### Articles

"Is production-based pollution or deforestation most detrimental? Comparative analysis for state-independent and state-dependent environmental absorption efficiency restoration process" (F. El Ouardighi, E. Khmenilltsky, M. Léandri), *Annals of Operations Research*, Numéro Forthcoming

"False quality claims: prevention and supply chain implications" (K. Kogan, F. El Ouardighi), *Journal of the Operational Research Society*

"Pollution accumulation and abatement policies in two supply chains under vertical and horizontal competition" (F. El Ouardighi, J. Sim, B. Kim), *OMEGA*, Numéro Forthcoming

"Economic and environmental impact of vertical and horizontal competition and integration" (J. Sim, F. El Ouardighi, B. Kim), *Naval Research Logistics*, Numéro DOI: 10.1002/NAV.21832, Forthcoming

"Autonomous and induced production learning under price and quality competition" (K. Kogan, F. El Ouardighi), *Applied Mathematical Modelling*

"Supplier behavior, conventional supply chain contracts and the quality-efficiency tradeoff" (F. El Ouardighi, M. Schnaiderman), *Journal of the Operational Research Society*, Numéro Forthcoming

"Accelerating the diffusion of a new product through marketing-operations interface" (F. El Ouardighi, G. Feichtinger, G. Fruchter), *Annals of Operations Research*, mai 2018, Vol. 264, Numéro 12, p. 435-458

"Commitment-based equilibrium environmental strategies under time-dependent environmental absorption efficiency" (F. El Ouardighi, K. Kogan, G. Gnecco, M. Sanguinetti), *Group Decision and Negotiation*, avr. 2018, Vol. 27, Numéro 2, p. 235-249

"Transboundary pollution control and environmental absorption efficiency management" (F. El Ouardighi, K. Kogan, G. Gnecco, M. Sanguinetti, ), *Annals of Operations Research*, Numéro Forthcoming

"Production with Learning and Forgetting in a Competitive Environment" (F. El Ouardighi, K. Kogan), *International journal of production Economics*, avr. 2017, Vol. 189, Numéro July 2017, p. 52-62

"Contracts and information structure in a supply chain with operations and marketing interaction" (F. El Ouardighi, G. Erickson, D. Grass, S. Jørgensen, ), *International Game Theory Review*, déc. 2016, Vol. 18, Numéro 3, p. 1-36

"Advertising and quality-dependent word of mouth in a contagion sales model" (F. El Ouardighi, G. Feichtinger, D. Grass, R. Hartl, P. Kort), *Journal of Optimization Theory and Applications*, juil. 2016, Vol. 170, Numéro 1, p. 323-342

"Autonomous and advertising-dependent word of mouth under costly dynamic pricing" (F. El Ouardighi, G. Feichtinger, D. Grass, R. Hartl, P. Kort), *European Journal of Operational Research*, juin 2016, Vol. 251, Numéro 3, p. 860-872

"Learning by doing with spillovers: Strategic complementarity versus strategic substitutability" (K. Kogan, F. El Ouardighi, T. Chernonog), *Automatica*, mai 2016, Vol. 67, p. 282-294

"Self-regenerating environmental absorption efficiency and the Soy lent Green scenario" (F. El Ouardighi, H. Benckroun, D. Grass), *Annals of Operations Research*, mars 2016, Vol. 238, Numéro 1, p. 179-198

"Optimal career strategies and brain drain in academia" (A. Seidl, S. Wrzaczek, F. El Ouardighi, G. Feichtinger), *Journal of Optimization Theory and Applications*, Numéro 1

"Pollution accumulation and abatement policy in a supply chain " (F. El Ouardighi, J. Sim, B. Kim), *European Journal of Operational Research*, nov. 2015, Vol. 248, Numéro 3, p. 982-996

"Team production with punishment option: Insights from a real-effort

experiment" (R. Vranceanu, F. El Ouardighi, D. Lebart), *Managerial and Decision Economics*, août 2015, Vol. 36, Numéro 6, p. 408-420

"Production capacity buildup and double marginalization mitigation in a dynamic supply chain" (F. El Ouardighi, G. Erickson), *Journal of the Operational Research Society*, oct. 2014, Vol. 66, Numéro 1, p. 1281-1296

"Controlling pollution and environmental absorption capacity" (F. El Ouardighi, H. Benchekroun, D. Grass), *Annals of Operations Research*, sept. 2014, Vol. 220, Numéro 1, p. 111-133

"Supply quality management with optimal wholesale price and revenue sharing contracts: A two stage game approach" (F. El Ouardighi), *International Journal of Production Economics*, juil. 2014, Vol. 156, Numéro 1, p. 260-268

"The impact of partial information sharing in a two-echelon supply chain" (M. Shniderman, F. El Ouardighi), *Operations Research Letters*, mai 2014, Vol. 42, Numéro 3, p. 234-237

"Research and Development with Stock-Dependent Spillovers and Price Competition in a Duopoly" (F. El Ouardighi, M. Schnaiderman, F. Pasin), *Journal of Optimization Theory and Applications*, mai 2014, Vol. 161, Numéro 2, p. 626-647

"Dynamic conformance and design quality in a supply chain: An assessment of contracts' coordinating power" (F. El Ouardighi, K. Kogan), *Annals of Operations Research*, déc. 2013, Vol. 211, Numéro 1, p. 137-166

"Publish or teach? Analysis of the professor's Optimal career path" (F. El Ouardighi, K. Kogan, R. Vranceanu), *Journal of Economic Dynamics and Control*, oct. 2013, Vol. 37, Numéro 10, p. 1995-2009

"Research and Development with Stock-Dependent Spillovers and Price Competition in a Duopoly" (F. El Ouardighi, F. Pasin, M. Shnaiderman), *Journal of Optimization Theory & Applications*, sept. 2013

"Dynamics of technology and price in a duopoly market" (B. Kim, F. El Ouardighi, S. Park), *Applied Economic Letters*, oct. 2012, Vol. 19, Numéro 11, p. 1017-1022

"A dynamic game with monopolist manufacturer and price-competing duopolist retailers" (F. El Ouardighi, S. Jørgensen, F. Pasin), *OR Spectrum*, juil. 2012, Vol. 35, Numéro 4, p. 1059-1084

"Supply quality management with wholesale price and revenue-sharing contract under horizontal competition" (F. El Ouardighi, B. Kim), *European Journal of Operational Research*, oct. 2010, Vol. 206, Numéro 2, p. 329-340

"A dynamic game of operations and marketing management in a supply chain" (F. El Ouardighi, S. Jørgensen, F. Pasin), *International Game Theory Review*, déc. 2008, Vol. 10, Numéro 4, p. 373-397

"Le supply chain management : entre indépendance organisationnelle et centralisation" (F. El Ouardighi), *Revue Française de Gestion*, sept. 2008, Vol. 34, Numéro 186, p. 1-10

"L'expérience Française du Supply Chain Management" (F. El Ouardighi, P. De Giovanni, JC. Tarondeau), *Revue Française de Gestion*, sept. 2008, Vol. 34, Numéro 186, p. 11-39

"Contrat de prix de transfert et contrat à partage de revenu dans une supply chain" (F. El Ouardighi, S. Jørgensen, F. Pasin), *Revue Française de*

*Gestion*, sept. 2008, Vol. 34, Numéro 186, p. 59-77

"Quality improvement and goodwill accumulation in a dynamic duopoly" (F. El Ouardighi, F. Pasin), *European Journal of Operational Research*, déc. 2006, Vol. 175, Numéro 2, p. 1021-1032

"Supplier-manufacturer collaboration on new product development" (B. Kim, F. El Ouardighi), *Annals of Dynamic Games, Birkhauser*, janv. 2006

"The Dynamics of Cooperation" (F. El Ouardighi), *International Game Theory Review*, janv. 2002, Vol. 4, Numéro 1, p. 1-16

"Quality and the Diffusion of Innovations" (F. El Ouardighi, C. Tapiero), *European Journal of Operational Research*, janv. 1998, Vol. 106, Numéro 1, p. 31-38

"Modèles de diffusion en marketing" (F. El Ouardighi, C. Tapiero), *Recherche et Applications en Marketing*, janv. 1997, Vol. 12, Numéro 4, p. 15-40

"Qualité et diffusion des produits" (F. El Ouardighi, C. Tapiero), *Recherche et Applications en Marketing*, janv. 1996, Vol. 11, Numéro 4, p. 35-51

## Chapitres

*Production control in a competitive environment with incomplete information.* In: *New Trends in Emerging Complex Real Life Problems* (avec K. Kogan). Switzerland (Switzerland) : Springer, Springer. 2018, p. 1-9

*Optimal growth with polluting waste and recycling.* In: *Dynamic Perspectives on Managerial Decision Making: Essays in Honor of Richard F. Hartl* (avec R. Boucekkine). New York (USA) : Springer, 2016, p. 109-126

*Attachment and Forgiveness in a Behavioural, Non-Cooperative Dynamic Game.* In: *Models and Methods in Economics and Management Science - Essays in Honor of Charles S. Tapiero.* New York (USA) : Springer, 2013, p. 1-26

*Supplier Manufacturer Collaboration on New Product Development.* In: *Advances in Dynamic Game Theory* (avec B. Kim). ( ) : Steffen Jorgensen, marc Quincampoix, Thomas L. Vincent, Birkhauser, New York. 2007, p. 527-546

*Dynamique des ventes et stratégies publicitaires concurrentielles.* In: *Savoir gérer. Mélanges en l'honneur de Jean-Claude Tarondeau.* Paris (France) : Vuibert, LE MOAL P., BOURGEON L.. 2003

## Working Papers

"Optimal growth with polluting wastes and recycling" (avec R. Boucekkine). GREQAM, 13 mars 15.

"Supply quality management and horizontal competition " (avec B. Kim). ESSEC Business School, avr. 08.

"Cooperation, Trust and Players' Profile" ESSEC Business School, oct. 07.

"Quality Improvement and a Goodwill Accumulation in a Dynamic Duopoly" (F. Pasin). Essec Research Center, DR-02018 oct. 02.

"Advertising and Quality Decisions over Time" (F. Pasin). Essec Research Center, DR-02014 juil. 02.

"The Dynamics of Optimal Cooperation" (F. Gannon). Essec Research Center, DR-01003 févr. 01.

"La théorie statistique de la décision. I" (F. El Ouardighi). Essec Research Center, DR-99035 déc. 99.

"La théorie statistique de la décision, I." (F. El Ouardighi). Essec Research Center, DR-99070 janv. 99.

"Optimal advertising and quality under imperfect information" (C. Tapiero). Essec Research Center, DR-97035 janv. 97.

"Quality, Advertising, Price and the Diffusion of Innovations" (F. El Ouardighi). Essec Research Center, DR-96072 déc. 96.

## **Autres publications**

### **Articles de presse**

"Comment gérer le secteur halieutique ?". *Vie Economique (La)*, 24 sept. 1999

### **Recension d'ouvrage**

" La Mondialisation, Stade Suprême du Capitalisme ?". (W. Andreff ) *Revue Française de Gestion*, 2013, vol. Forthcoming, Numéro d'édition 1, p. 1-2

"Supply Chain Games: Operations Management and Risk Valuation". (K. Kogan, C. Tapiero) *International Game Theory Review*, 2009, vol. 11, Numéro d'édition 1, p. 117-119

## **Enseignement**

### **Enseignement à l'ESSEC**

Logistique et Supply Chain Management (MS program)

Gestion de Projet (MS program)

Gestion de la Qualité (MS program)

Supply Chain Management (MS and PhD programs)

Optimal Control Theory (PhD program)

Continuous-Time Dynamic Games (PhD program)

Dynamic Methods in Economics and Management Science (PhD program)

### **Cas**

*The Poseidon Adventure* (F. El Ouardighi) Cranfield (UK) : ECCH, 2008 (Cas papier).

## **Autres activités**

## **Prix et distinctions**

Major de promotion, DEA es-sciences de gestion, HEC-ESSEC-Université Paris X Nanterre, Paris, France, 1991

Excellence scholarship from the French Government, 1991-1994

## **Activités scientifiques**

### **Communications présentées à des conférences**

EURO Conference, Dublin, Ireland, June 2019; INFORMS International Meeting, Cancun, Mexico, June 2019; HEC-Paris, Operations Management Department Seminar, Jouy-en-Josas, France, May 2019; HEC-Montreal/Chair in Game Theory and Management/GERAD Seminar, University of Montreal, Montreal, Canada, May 2019; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2019; Xth International Workshop on Dynamic Games in Management Science, Rabat, Morocco, November 2018; XIVth Viennese Conference on Optimal Control and Dynamic Games, Vienna, Austria, July 2018; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2018; HEC-Montreal/Chair in Game Theory and Management/GERAD Seminar, University of Montreal, Montreal, Canada, May 2018; INFORMS Annual Meeting, Houston, Texas, USA, October 2017; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2017; INFORMS Annual Meeting, Nashville, Tennessee, USA, November 2016; Vth EULOG Conference in Honour of Professor Richard Hartl, Vienna, Austria, September 2016; International Workshop on Strategic Management and Organizational Adaptation in Honour of Professor Raymond-Alain Thiétart, ESSEC Business School, Cergy, France, June 2016; VIIth International Workshop on Dynamic Games in Management Science, ESSEC Business School, Cergy, France, June 2016; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2016; Management Science & Business Economics Group Seminar, The University of Edinburgh, Edinburgh, Scotland, February 2016; INFORMS Annual Meeting, Philadelphia, Pennsylvania, USA, November 2015; CORS-INFORMS Conference, Montreal, Canada, June 2015; XIIIth Viennese Workshop on Deterministic Optimal Control and Differential Games, Vienna, Austria, May 2015; IFORS Triennial Conference, Barcelona, Spain, July 2014; HEC Montreal/Chair in Game theory and Management/GERAD Seminar, University of Montreal, Montreal, Canada, May 2014; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2014; Vth Viennese Vintage Workshop on Heterogeneous Dynamic Models of Economic and Population Systems, Vienna University of Technology and the Wittgenstein Centre for Demography and Global Human Capital, Vienna, Austria, November 2013; INFORMS Annual Meeting, Minneapolis, Minnesota, USA, October 2013; EURO-INFORMS Conference, Roma, Italy, July 2013; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2013; 10th International Conference on Computational Management, HEC-Montreal, Montreal, Canada, May 2013; INFORMS Annual Meeting, Phoenix, Arizona, USA, October 2012; Third International Congress of Game Theory Society (session chair), Istanbul, Turkey, July 2012; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2012; ISOM-Marketing Joint Seminar, Foster School of Business, University of Washington, Seattle, WA, USA, March 2012; INFORMS Annual Meeting (session chair), Charlotte, North Carolina, USA, November 2011; IFORS Triennial Conference (session chair), Melbourne, Australia, July 2011; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2011; INFORMS Annual Meeting (session chair), Austin, Texas, USA, November 2010; XIVth International Symposium of the International Society of Dynamic Games, Banff, Canada, June 2010; XIth

Viennese Workshop on Deterministic Optimal Control, Non Linear Dynamics and Dynamic Games, Amsterdam, Netherlands, May 2010; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2010; INFORMS Annual Meeting, San Diego, California, USA, October 2009; VIIth International Workshop of the International Society of Dynamic Games, Djerba, Tunisia, July 2009; IIInd International Workshop on Dynamic Games in Management Science, Valladolid, Espana, June 2009; CORS-INFORMS Conference, Toronto, Canada, June 2009; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2009; Production and Operations Management Conference, Orlando, Florida, USA, Mai 2009; Workshop on the New Challenges to the Economics of Business Schools and Universities, EIASM/ESSEC, Cergy, France, December 2008; INFORMS Annual Meeting, Washington D.C., USA, October 2008; American Accounting Association Annual Meeting, Anaheim, California, USA, August 2008; IFORS Triennial Conference (session chair), Sandton, Johannesburg, South Africa, July 2008; Xth Viennese Workshop on Deterministic Optimal Control, Non Linear Dynamics and Differential Games in Honor of Pr Gustav Feichtinger, Vienna Technical University, Vienna, Austria, May 2008; Production and Operations Management Conference, La Jolla, San Diego, California, May 2008; International Workshop on Dynamic Games in Management Science (session chair), HEC-Montreal, Montreal, Canada, May 2008; INFORMS Annual Meeting (session chair), Seattle, Washington, USA, November 2007; VIth International Workshop of the International Society of Dynamic Games (session chair), Rabat, Morocco, September 2007; INFORMS International Meeting, San Juan, Puerto Rico, July 2007; IXth Viennese Workshop on Deterministic Optimal Control, Non Linear Dynamics and Dynamic Games, HEC-Montreal, Montreal, Canada, May 2007; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2007; INFORMS Annual Meeting, Pittsburgh, Pennsylvania, USA, November 2006; XIIth International Symposium of the International Society of Dynamic Games, Sophia-Antipolis, France, July 2006; International Workshop on Dynamic Optimization in Honour of Pr Suresh P. Sethi, Dallas, Texas, USA, May 2006; Optimization Days Conference (session chair), HEC-Montreal, Montreal, Canada, May 2006; INFORMS Annual Meeting, San Francisco, California, USA, November 2005; International Workshop on Dynamic Games, Vienna Technical University, Vienna, Austria, October 2005; IFORS Triennial Conference (session chair), Honolulu, Hawaii, USA, July 2005; Optimization Days Conference (session chair), HEC-Montreal, Montreal, Canada, May 2005; XIth International Symposium of the International Society of Dynamic Games (session chair), Tucson, Arizona, USA, December 2004; XXth EURO Conference (session chair), Rhodos, Greece, July 2004; Optimization Days Conference (session chair), HEC-Montreal, Montreal, Canada, May 2004; Teaching and Learning Conference, Orlando, Florida, USA, January 2004; INFORMS Annual Meeting (session chair), Atlanta, Georgia, USA, October 2003; EURO-INFORMS Conference, Istanbul, Turkey, July 2003; VIIIth Viennese Workshop on Deterministic Optimal Control, Non Linear Dynamics and Differential Games (session chair), Vienna Technical University, Vienna, Austria, May 2003; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 2003; INFORMS Annual Meeting, San Jose, California, USA, November 2002; International Workshop on Optimal Control and Dynamic Games in Honor of Pr Steffen Jørgensen, Tunis, Tunisia, September 2002; Xth International Symposium of the International Society of Dynamic Games, Saint-Petersburg, Russia, July 2002; Optimization Days Conference (session chair), HEC-Montreal, Montreal, Canada, May 2002; HEC-ESSEC-INSEAD Seminar, INSEAD, Fontainebleau, France, March 2002; INFORMS Annual Meeting, Miami, Florida, USA, November 2001; INFORMS Annual Meeting (session chair), Maui, Hawaii, USA, June 2001; IXth International Symposium of the International Society of Dynamic Games, Adelaide, Australia, December 2000; INFORMS-KORMS



Conference, Seoul, South Korea, June 2000; VIIth Viennese Workshop on Deterministic Optimal Control, Non Linear Dynamics and Dynamic Games, Vienna Technical University, Vienna, Austria, May 2000; HEC-ESSEC-INSEAD Seminar, INSEAD, Fontainebleau, France, October 1999; XVIth EURO Conference, Brussels, Belgium, July 1998.

## **Affiliations et activités académiques**

### **Associate editor for:**

- Revue Française de Gestion, 2004-
- International Game Theory Review, 2005-
- Journal of African Business, 2010-2014

### **Member of:**

- Institute for Operations Research and the Management Science (INFORMS)
- Game Theory Society (GTS)
- Production and Operations Management Society (POMS)
- International Society of Dynamic Games (ISDG)

### **Reviewer for:**

European Journal of Operational Research (1998-), Production Planning and Control (2002-), International Game Theory Review (2002-), Revue Française de Gestion (2004-), Annals of Dynamic Games (2005-), Optimal Control Applications and Methods (2007-), RAIRO-RO (2008-), Journal of Economic Dynamics and Control (2008-), Management Science (2009-), Naval Research Logistics (2010-), Journal of Optimization Theory and Applications (2010-), International Journal of Production Economics (2010-), Annals of Operations Research (2010-), Dynamic Games and Applications (2010-), Computers and Operations Research (2010-), Central European Journal of Operational Research (2010-), Journal of the Operational Research Society (2012-), OR-Spectrum (2012-), Springer books in Economics (2013-), Environmental and Resource Economics (2013-), Transportation Research Part E (2013-), Journal of the European Economic Association (2013-), Applied Energy (2014-), International Transactions in Operational Research (2014-), Decision Sciences (2014-), Omega (2014-), Computers and Industrial Engineering (2014-), IIE Transactions (2015-), Springer books series in Mathematics (2015-), Cambridge University Press books series in Management (2015-), 4OR - A Quarterly Journal of Operations Research (2015-), Applied Mathematical Modeling (2016-), Economic Modeling (2016-), IEEE Transactions on Cybernetics (2017-), Review of Industrial Organization (2017-), International Journal of Marketing Research (2018-)

## **Conseil**

- Consultant and educator for French and foreign, private and public organizations, 1998-
- Expert for the Rhône-Alpes Regional Committee, France, 2000-2004
- Consultant for the Ministry of fisheries and the merchant navy of the Kingdom of Morocco, Rabat, Morocco, 1996-1998

### **Affiliated Professor:**

- Affiliated professor in Supply Chain Management (MBA and M.Sc. programs), Bar-Ilan University (department of Management), Tel Aviv, 2010-
- Affiliated professor in Operations Management and Quantitative Methods in Economics and Management (postgrad. and doctoral programs), Institut

Supérieur de Commerce et d'Administration des Entreprises (ISCAE),  
Casablanca, 2002-2011

### **Expérience professionnelle**

- Visiting scholar, Department of Operations Management, HEC-Paris, France (Jan-March 2020);
- Visiting professor, Department of Operations Management, HEC-Montreal, Montreal, Canada (April-June 2012);
- Visiting scholar, Department of Economics, Mc Gill University, Montreal, Canada (April-June 2012);
- Visiting scholar, Department of Marketing, University of Washington in Seattle, Washington, USA (Jan-March 2012);
- Professor, Department of Operations Management, ESSEC Business School, Paris, France (2009-);
- Lecturer, Institut de Commerce et d'Administration des Entreprises (ISCAE), Casablanca, Morocco (2005-2011);
- Coordinator of the Ph.D. program track in Operations Management and Decision Sciences, ESSEC Business School, Paris, France (2007-2010);
- Associate professor, Department of Logistics, Production and Service, ESSEC Business School, Paris, France (2002-2009);
- Founder and academic director of the Specialized Master of Technological Projects Management, ESSEC Business School, Paris, France (2003-2009);
- Chairperson of the Department of Logistics, Production and Service, ESSEC Business School, Paris, France (2001-2009);
- Academic director of the Specialized Master of Logistics and Supply Chain Management, ESSEC Business School, Paris, France (2000-2009);
- Academic director of the Specialized Master of Public Services Management, ESSEC Business School, Paris, France (2006-2007);
- Founder of the Ph.D. program track in Operations Management and Decision Sciences, ESSEC Business School, Paris, France (2004-2006);
- Academic director of the Executive Specialized Programs of Logistics and Production, ESSEC Business School, Paris, France (1999-2001);
- Academic director of the In-Company Projects Program, ESSEC Business School, Paris, France (1999-2000);
- Assistant professor, Department of Logistics, Production and Service, ESSEC Business School, Paris, France (1998-2002);
- Assistant professor, Department of Decision and Information Systems, Audencia-Ecole Supérieure de Commerce de Nantes, Nantes, France (1997-1998);
- Visiting professor, Department of Logistics and Production, ESSEC Business School, Paris, France (1996-1997);
- Lecturer, Faculty of Management, Paris X Nanterre University, Paris, France (1994-1998);
- Lecturer, Department of Management, Ecole des Mines de Nantes, Nantes, France (1994);
- Scholarship holder/assistant, Faculty of Management, Paris X Nanterre University, Paris, France (1992-1994);
- Research assistant, Department of Strategy and Management, ESSEC Business School, Paris, France (1991-1992)

