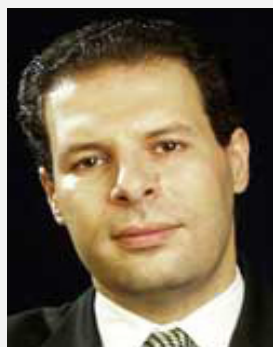


**Fouad  
El Ouardighi**

**Professeur ,  
Département  
Management des  
Opérations**

Responsable  
pédagogique du MS  
Logistique et  
Management de la  
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## Formation

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

Langues : Arabe, Anglais

## Thèmes de recherche

- Supply chain management
- Operations-marketing interface
- Cooperation
- Pollution control
- Optimal control and differential games applications

## Projets en cours

- Attachment and forgiveness in a behavioural, non-cooperative dynamic game
- An empirical investigation on supply chain management and corporate economic performance, with P. de Giovanni and V. Vinzi
- Production capacity and pricing equilibrium strategies in a supply chain, with G. Erickson
- The impact of partial information sharing in a two-level supply chain, with M. Schnaiderman
- Operations and marketing policies under wholesale price and revenue-sharing contracts in a decentralized supply chain, with G. Erickson, S. Jørgensen and D. Grass
- Dynamic performance and design quality in a supply chain: An assessment of contracts' coordination power, with K. Kogan
- The optimal life-long career path of a professor, with K. Kogan and R. Vranceanu
- Exhaustible vs renewable environmental absorption capacity, with H. Benchekrout and D. Grass
- A dynamic game of pollution control and environmental absorption capacity management
- Corporate governance requirement of trust, with A. Naciri
- A dynamic game of supply chains' competition, with P. de Giovanni

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## Publications

## 📖 Publications académiques

### Ouvrages

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

### Articles

"A dynamic game of competing, decentralized and interdependent supply chains," (F. El Ouardighi, S. Jørgensen, F. Pasin), *OR Spectrum*

"Dynamics of technology and price in a duopoly market" (B. Kim, F. El Ouardighi, S. Park), *Applied Economic Letters*, Numéro 11

"Controlling pollution and environmental absorption capacity" (F. El Ouardighi, H. Benchekekroun, D. Grass), *Annals of Operations Research*, Numéro à paraître

"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

"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

*Advances in Dynamic Game Theory* (avec K. Bowom). ( ) : Steffen Jorgensen, marc Quimcampoix, Thomas L. Vincent, 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

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

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

"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.

"The Dynamics of Cooperation" (F. El Ouardighi). Essec Research Center, DR-00010 janv. 00.

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

"Supply Chain Games: Operations Management and Risk Valuation". *International Game Theory Review*, 2009, vol. 11, Issue 1, p. 117-119

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## 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)

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## Autres activités

### ▮ Prix et distinctions

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

Excellence scholarship from the French Government, 1991-1994

### ▮ Activités scientifiques

#### Membre d'un comité de lecture

*International Game Theory Review*, World Scientific

*Revue Française de Gestion*, Lavoisier

*Journal of African Business*, Routledge

#### Communications présentées à des conférences

Third International Congress of Game Theory Society, Istanbul, Turkey, July 2012; Optimization Days Conference, HEC-Montreal, Montreal, Canada, May 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; INFORMS MSOM Annual Conference, Tel Aviv, Israël, June 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; IInd 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

Member of:

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

### ☛ **Conseil**

- Consultant and educator for French and foreign 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

### ☛ **Expérience professionnelle**

Visiting scholar, University of Washington in Seattle (Jan-March 2012); Professor (2009-); Coordinator of the Ph.D. program track in Operations Management and Decision Sciences (2007-2010); Associate professor (2002-2009); Designer and academic director of the Specialized Master of Technological Projects Management (2003-2009); Chairperson of the Operations Management Department (2001-2009); Academic director of the Specialized Master of Logistics and Supply Chain Management (2000-2009); Academic director of the Specialized Master of Public Services Management (2006-2007); Designer of the Ph.D. program track in Operations Management and Decision Sciences (2004-2006); Academic director of the Executive Specialized Programs of Logistics and Production (1999-2001); Academic director of the In-Company Projects Program (1999-2000); Assistant professor, Logistics, Production and Service department, ESSEC Business School (1998-2002); Assistant professor, Decision and Information Systems Department, Audencia-Ecole Supérieure de Commerce de Nantes (1997-1998); Visiting professor, Logistics and Production Department, ESSEC Business School (1996-1997); Lecturer, Faculty of Management, Paris X Nanterre University (1994-1998); Lecturer, Management Department, Ecole des Mines de Nantes (1994); Scholarship holder/assistant, Management Faculty, Paris X Nanterre University (1992-1994); Research assistant, Strategy and Management Department, ESSEC Business School (1991-1992)