# Fouad EL OUARDIGHI

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## INTERETS DE RECHERCHE

Management de la chaine d'approvisionnement, Management de la qualité, Management de la

## FORMATION

| | |
|---|---|
| 2001 | PhD en Sciences de Gestion, ESSEC Business School, France |
| 1996 | Doctorat en Sciences de Gestion, Université Paris X Nanterre, France |
| 1991 | DEA (major de promotion), sciences de gestion, HEC-ESSEC-Université Paris X Nanterre, ESSEC Business School, France |
| 1989 | DEA, dynamique des systèmes productifs et économie mondiale, Université Paris X Nanterre, France |
| 1988 | Maîtrise, économie de l'entreprise, Université Paris X Nanterre, France |
| 1984 | Baccalauréat, série B, Lycée Descartes, Maroc |

## EXPERIENCE PROFESSIONNELLE

### Positions académiques principales

| | |
|---|---|
| 2020 - 2020 | Chercheur Invité, Département de Gestion des Opérations, HEC Paris, France |
| 2012 - 2012 | Professeur Invité, Département de Gestion des Opérations, HEC Montréal, Canada |
| 2012 - 2012 | Chercheur Invité, Département de Marketing, University of Washington, États-Unis |
| 2012 - 2012 | Chercheur Invité, Département d'Economie, McGill University, Canada |
| 2010 - Présent | Chargé de cours en gestion de la chaîne d'approvisionnement, Bar-Ilan University, Israël |
| 2009 - Présent | Professeur, ESSEC Business School, France |
| 2005 - 2011 | Chargé de Cours, Institut de Commerce et d'Administration des Entreprises (ISCAE), Maroc |
| 2004 - 2009 | Professeur associé, ESSEC Business School, France |
| 1998 - 2004 | Professeur assistant, ESSEC Business School, France |
| 1997 - 1998 | Professeur Assistant, Département de Décisions et Systèmes d'Information, |

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|---|---|
| | Audencia Business School, France |
| 1996 - 1997 | Professeur Visitant, Département Logistique et Production, ESSEC Business School, France |
| 1994 - 1998 | Chargé de Cours, Faculté de Gestion, Université Paris X Nanterre, France |
| 1994 - 1995 | Chargé de cours, Département de Gestion, École des Mines de Nantes, France |
| 1991 - 1992 | Assistant de Recherche, Département Stratégie et Gestion, ESSEC Business School, France |

### Autres affiliations académiques

| | |
|---|---|
| 2021 - Présent | Coordination concentration de Phd Operations Management and Operations Research, ESSEC Business School, France |
| 2007 - 2010 | Coordinateur de Programme Ph.D. pour la filière Gestion des Opérations et Sciences de Décision, ESSEC Business School, France |
| 2006 - 2007 | Directeur Académique du Master Spécialisé en Gestion des Services Publics, ESSEC Business School, France |
| 2004 - 2006 | Créateur de la filière Gestion des Opération et Sciences de Décision du Programme Ph.D., ESSEC Business School, France |
| 2003 - 2009 | Créateur et Directeur académique du Master Spécialisé en Gestion des Projets Technologiques, ESSEC Business School, France |
| 2001 - 2009 | Président du Département de Management des Opérations, ESSEC Business School, France |
| 2000 - 2009 | Directeur Académique du Master Spécialisé en Logistique et Gestion de la Chaîne d'Approvisionnement (Supply Chain Management), ESSEC Business School, France |
| 1999 - 2001 | Academic director of the Executive Specialized Programs of Logistics and Production, ESSEC Business School, France |
| 1999 - 2000 | Directeur Académique du Programme d'Intrapreneuriat, ESSEC Business School, France |
| 2024 - 2024 | Professeur visitant, HEC Montréal, Canada |
| 2022 - 2023 | Chercheur invité, TU Wien, Autriche |
| 2022 - 2022 | Chercheur invité, HEC Paris, France |
| 1992 - 1994 | Assistant/Titulaire de bourse, Faculté de Gestion, Université Paris X Nanterre, France |

## BOURSES, PRIX ET DISTINCTIONS

### Prix et Distinctions

| | |
|---|---|
| 1991 | Bourse d'Excellence, République française, France |
| 1991 | Major de promotion, DEA es-sciences de gestion, HEC-ESSEC-Université Paris X Nanterre, ESSEC Business School, France |

### Bourses

1992 Assistant de Recherche (Bourse), Département de Gestion, Université Paris X Nanterre, France

## PUBLICATIONS

### Articles

EL OUARDIGHI, F., GRASS, D. et KOGAN, K. (2026). Cheating or Delighting Customers on Quality: Strategic Implications for Delayed Information Disclosure. *European Journal of Operational Research*, 329(1), pp. 321-339.

EL OUARDIGHI, F., GNECCO, G., KHMELNITSKY, E. et SANGUINETI, M. (2026). Restoration Responsibility in a Dynamic Game of Deforestation, Production, and Pollution Accumulation. *Environmental and Resource Economics*, 89(art. 46).

BENSOUSSAN, A. et EL OUARDIGHI, F. (2024). Voluntary environmental effort under (s,S) inventory policy. *International Journal of Production Research*, 62(1-2), pp. 522-535.

BOUCEKKINE, R., EL OUARDIGHI, F. et KOGAN, K. (2024). Recycling of multi-source waste in an aggregate circular economy. *Central European Journal of Operations Research*, 32, pp. 357-398.

KOGAN, K., EL OUARDIGHI, F. et HERBON, A. (2024). The economic impact of lockdown and bounded treatment capability for an epidemic without vaccine. *Economic Theory*, 77(1-2), pp. 283-306.

KOGAN, K. et EL OUARDIGHI, F. (2024). Environmental Sustainability Under Production Competition With Costly Adjustments: An Appraisal of Firms' Behavior With Regard to Pollution Dynamics. *Omega*, 129, pp. 103163.

EL OUARDIGHI, F., KHMELNITSKY, E. et SETHI, S.P. (2022). Epidemic control with endogenous treatment capability under popular discontent and social fatigue. *Production and Operations Management*, 31(4), pp. 1734-1752.

EL OUARDIGHI, F., SIM, J. et KIM, B. (2021). Pollution accumulation and abatement policies in two supply chains under vertical and horizontal competition and strategy types. *Omega*, 98(102108), pp. 1-19.

KOGAN, K. et EL OUARDIGHI, F. (2021). False Quality Claims: Prevention and Supply Chain Implications. *Journal of the Operational Research Society*, 72(6), pp. 1347-1357.

EL OUARDIGHI, F., KOGAN, K., GNECCO, G. et SANGUINETI, M. (2020). Transboundary pollution control and environmental absorption efficiency management. *Annals of Operations Research*, 287, pp. 653-681.

EL OUARDIGHI, F., KHMELNITSKY, E. et LEANDRI , M. (2020). Production-Based Pollution Versus Deforestation: Optimal Policy With State-Independent And-Dependent Environmental Absorption Efficiency Restoration Process. *Annals of Operations Research*, 292(1), pp. 1–26.

KOGAN, K. et EL OUARDIGHI, F. (2019). Autonomous and Induced Production Learning Under Price and Quality Competition. *Applied Mathematical Modelling*, 67, pp. 74-84.

SIM, J.E., EL OUARDIGHI, F. et KIM, B. (2019). Economic and Environmental Impact of Vertical and Horizontal Competition and Integration. *Naval Research Logistics Quarterly*, 66(2), pp. 133-153.

EL OUARDIGHI, F. et SCHAIDERMAN, M. (2019). Supplier's opportunistic behavior and the quality-efficiency tradeoff with conventional supply chain contracts. *Journal of the Operational Research Society*, 70(11), pp. 1915-1937.

EL OUARDIGHI, F., FEICHTINGER, G. et FRUCHTER, G.E. (2018). Accelerating the Diffusion of Innovations Under Mixed Word of Mouth Through Marketing–Operations Interaction. *Annals of Operations Research*, 264(1-2), pp. 435-458.

EL OUARDIGHI, F., KOGAN, K., GNECCO, G. et SANGUINETI, M. (2018). Commitment-Based Equilibrium Environmental Strategies under Time-Dependent Absorption Efficiency. *Group Decision and Negotiation*, 27(2), pp. 235-249.

KOGAN, K., EL OUARDIGHI, F. et HERBON, A. (2017). Production with Learning and Forgetting in a Competitive Environment. *International Journal of Production Economics*, 189, pp. 52-62.

EL OUARDIGHI, F., FEICHTINGER, G., GRASS, D., HARTL, R.F. et KORT, P.M. (2016). Advertising and Quality-Dependent Word of Mouth in a Contagion Sales Model. *Journal of Optimization Theory and Applications*, 170(1), pp. 323-342.

EL OUARDIGHI, F., FEICHTINGER, G., GRASS, D., HARTL, R. et KORT, P.M. (2016). Autonomous and Advertising-Dependent Word of Mouth under Costly Dynamic Pricing. *European Journal of Operational Research*, 251(3), pp. 860-872.

EL OUARDIGHI, F., ERICKSON, G., GRASS, D. et JØRGENSEN, S. (2016). Contracts and Information Structure in a Supply Chain with Operations and Marketing Interaction. *International Game Theory Review*, 18(4), pp. 1-36.

KOGAN, K., EL OUARDIGHI, F. et CHERNONG, T. (2016). Learning by Doing with Spillovers: Strategic Complementarity Versus Strategic Substitutability. *Automatica*, 67, pp. 282-294.

SEIDL, A., WRZACZEK, S., EL OUARDIGHI, F. et FEICHTINGER, G. (2016). Optimal Career Strategies and Brain Drain in Academia. *Journal of Optimization Theory and Applications*, 168(1), pp. 268-295.

EL OUARDIGHI, F., SIMB, J.E. et KIM, B. (2016). Pollution Accumulation and Abatement Policy in a Supply Chain. *European Journal of Operational Research*, 248(3), pp. 982-996.

EL OUARDIGHI, F., BENCHEKROUN, H. et GRASS, D. (2016). Self-Regenerating Environmental Absorption Efficiency and the Soylent Green Scenario. *Annals of Operations Research*, 238(1), pp. 179-198.

EL OUARDIGHI, F. et ERICKSON, G. (2015). Production Capacity Buildup and Double Marginalization Mitigation in a Dynamic Supply Chain. *Journal of the Operational Research Society*, 66(8), pp. 1281-1296.

VRANCEANU, R., EL OUARDIGHI, F. et DUBART, D. (2015). Team Production with Punishment Option: Insights from a Real Effort Experiment. *Managerial and Decision Economics*, 36(3), pp. 408-420.

EL OUARDIGHI, F., BENCHEKROUN, H. et GRASS, D. (2014). Controlling Pollution and Environmental Absorption Capacity. *Annals of Operations Research*, 220(1), pp. 111-133.

EL OUARDIGHI, F., SHNAIDERMAN, M. et PASIN, F. (2014). Research and Development with Stock-Dependent Spillovers and Price Competition in a Duopoly. *Journal of Optimization Theory and Applications*, 161(2), pp. 626-647.

EL OUARDIGHI, F. (2014). Supply Quality Management with Optimal Wholesale Price and Revenue Sharing Contracts: A Two Stage Game Approach. *International Journal of Production Economics*, 156(1), pp. 260-268.

SHNAIDERMAN, M. et EL OUARDIGHI, F. (2014). The Impact of Partial Information Sharing in a Two-echelon Supply Chain. *Operations Research Letters*, 42(3), pp. 234-237.

EL OUARDIGHI, F., JORGENSEN, S. et PASIN, F. (2013). A Dynamic Game with Monopolist Manufacturer and Price-Competing Duopolist Retailers. *OR Spectrum*, 35(4), pp. 1059-1084.

EL OUARDIGHI, F. et KOGAN, K. (2013). Dynamic Conformance and Design Quality in a Supply Chain: An Assessment Of Contracts' Coordinating Power. *Annals of Operations Research*, 211(1), pp. 137-166.

EL OUARDIGHI, F., KOGAN, K. et VRANCEANU, R. (2013). Publish or Teach? Analysis of the Professor's Optimal Career Path. *Journal of Economic Dynamics and Control*, 37(10), pp. 1995-2009.

KIM, B., EL OUARDIGHI, F. et PARK, S. (2012). Optimal Dynamics of Technology and Price in a Duopoly Market. *Applied Economics Letters*, 19(11), pp. 1017-1022.

EL OUARDIGHI, F. et BOWON, K. (2010). Supply Quality Management With Wholesale Price and Revenue-sharing Contract Under Horizontal Competition. *European Journal of Operational Research*, 206(2), pp. 329-340.

EL OUARDIGHI, F., JORGENSEN, S. et PASIN, F. (2008). A Dynamic Game of Operations and Marketing Management in a Supply Chain. *International Game Theory Review*, 10(4), pp. 373-397.

EL OUARDIGHI, F., JORGENSEN, S. et PASIN, F. (2008). Contrat à prix de transfert et contrat à partage de revenu dans une supply chain. *Revue Française de Gestion*, 186(6), pp. 134-147.

EL OUARDIGHI, F., DE GIOVANNI, P. et TARONDEAU, J.C. (2008). L'expérience Française du Supply Chain Management. *Revue Française de Gestion*, 186(6), pp. 90-116.

EL OUARDIGHI, F. et PASIN, F. (2006). Quality Improvement and Goodwill Accumulation in a Dynamic Duopoly. *European Journal of Operational Research*, pp. 1021-1032.

EL OUARDIGHI, F. (2002). The Dynamics of Cooperation. *International Game Theory Review*, pp. 1-16.

EL OUARDIGHI, F. et TAPIERO, C. (1998). Quality and the Diffusion of Innovations. *European Journal of Operational Research*, pp. 31-38.

EL OUARDIGHI, F. et TAPIERO, C. (1997). Modèles de diffusion en marketing. *Recherche et Applications en Marketing*, pp. 15-40.

EL OUARDIGHI, F. et TAPIERO, C. (1996). Qualité et diffusion des produits. *Recherche et Applications en Marketing*, pp. 35-51.

### Ouvrages et édition d'ouvrages

EL OUARDIGHI, F. (1994). *Dynamique industrielle et cycle de vie des produits*. Rabat: Maarif El Jadida.

EL OUARDIGHI, F. [Ed] (2025). *Essays on Pollution Control in Economics and Management Science: An Interdisciplinary View*. 1st ed. Cham: Springer.

EL OUARDIGHI, F. et FEICHTINGER, G. [Eds] (2025). *The Unaffordable price of Static Decision-Making Models - Challenges in Economics and Management Science*. 1st ed. Cham: Springer.

EL OUARDIGHI, F. et KONSTANTIN, K. [Eds] (2013). *Models and Methods in Economics and Management Science: Essays in Honor of Charles S. Tapiero*. Springer, 254 pages.

### Chapitres d'ouvrage

EL OUARDIGHI, F. et FEICHTINGER, G. (2025). Turning the page. Dans: Fouad El Ouardighi, Gustav Feichtinger eds. *The Unaffordable Price of Static Decision-making Models: Challenges in Economics and Management Science*. 1st ed. Cham: Springer, pp. 1-9.

EL OUARDIGHI, F., SETHI, S.P. et VAN DELFT, C. (2025). The limits of static decision-making rules in supply chain management. Dans: F. El Ouardighi and G. Feichtinger (ed.). *The Unaffordable Price of Static Decision-making Models: Challenges in Economics and Management Science*. 1st ed. Cham: Springer, pp. 119-158.

EL OUARDIGHI, F. (2025). Controlling Pollution and Environmental Absorption Capacity. Dans: F. El Ouardighi (ed.). *Essays on Pollution Control in Economics and Management Science - An Interdisciplinary View*. 1st ed. Cham: Springer, pp. 3-29.

EL OUARDIGHI, F., ERICKSON, G., GRASS, D. et JØRGENSEN, S. (2020). Contracts and Information Structure in a Supply Chain with Operations and Marketing Interaction. Dans: Leon A Petrosyan, David Wing Kay Yeung eds. *Game Theoretic Analysis*. 1st ed. World Scientific, pp. 93-128.

KOGAN, K. et EL OUARDIGHI, F. (2018). Production Control in a Competitive Environment with Incomplete Information. Dans: *New Trends in Emerging Complex Real Life Problems*. 1st ed. Springer, pp. 321-329.

BOUCEKKINE, R. et EL OUARDIGHI, F. (2016). Optimal Growth with Polluting Waste and Recycling. Dans: *Dynamic Perspectives on Managerial Decision Making: Essays in Honor of Richard F. Hartl*. 1st ed. Springer, pp. 109-126.

EL OUARDIGHI, F. (2013). Attachment and Forgiveness in a Behavioural, Non-Cooperative Dynamic Game. Dans: *Models and Methods in Economics and Management Science: Essays in Honor of Charles S. Tapiero*. 1st ed. Springer, pp. 107-130.

BOWON, K. et EL OUARDIGHI, F. (2007). Supplier Manufacturer Collaboration on New Product Development. Dans: *Advances in Dynamic Game Theory. Numerical Methods, Algorithms, and Applications to Ecology and Economics*. 1st ed. Birkhäuser, pp. 527-546.

EL OUARDIGHI, F. (2003). Dynamique des ventes et stratégies publicitaires concurrentielles. Dans: *Savoir gérer. Mélanges en l'honneur de Jean-Claude Tarondeau*. 1st ed. Vuibert, pp. 151-168.

### Conférences

BENSOUSSAN, A., EL OUARDIGHI, F., PASIN, F. et QAISARI HASAN ABADI, M. (2025). Welfare and environmental impacts of inventory holding in a supply chain under vertical and horizontal competition. Dans: 2025 Optimization Days. Montreal.

EL OUARDIGHI, F., GRASS, D. et KOGAN, K. (2024). Cheating Or Delighting Customers On Quality? Marketing Implications Under Delayed Information Disclosure. Dans: 2024 Institute of Industrial and Systems Engineers (IISE) Annual Conference. Montréal.

EL OUARDIGHI, F., GNECCO, G., KHMELNISTSKY, E. et SANGUINETI, M. (2024). Should Forests be Restored by Producers or Deforesters? Dans: 2024 Optimization Days. Montréal.

EL OUARDIGHI, F. (2024). The limits of Static decision rules in supply chain games. Dans: 2024 Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting. Seattle.

EL OUARDIGHI, F., GNECCO, G., KHMELNITSKY, E. et SANGUINETI, M. (2024). Should Forests be Restored by Producers or Deforesters? Dans: 33rd EURO Conference on Operational Research. Copenhagen.

EL OUARDIGHI, F. (2024). Recent advances on pollution control in economics and management science: Stakes and challenges. Dans: 20th International Symposium of the International Society of Dynamic Games (ISDG) (XXth ISDG Symposium). Valladolid.

EL OUARDIGHI, F. (2023). In the Pursuit of Happiness. Dans: 2023 Vintage Viennese Workshop. Vienna.

EL OUARDIGHI, F., KIM, B.W. et VAN DELFT, C. (2022). The Relative Impact of International Travel Restriction during the Covid-19 Pandemic. Dans: 2022 Operations Research and Control Systems (ORCOS) Viennese Conference. Vienna.

EL OUARDIGHI, F. (2021). Control of an Epidemic With Endogenous Treatment Capability Under Popular Discontent and Social Fatigue. Dans: 2021 POMS Annual Conference. Online.

EL OUARDIGHI, F., GNECCO, G. et SANGUINETI, M. (2020). Should Forest be Restored by Polluters or Deforesters ? Dans: 2020 Optimization Days.

EL OUARDIGHI, F. (2019). Autonomous and Induced Production Learning Under Price and Quality Competition. Dans: Optimization Days 2019.

EL OUARDIGHI, F. (2019). Cheating or Delighting Customers on Product Quality? Dans: 30th European Conference on Operational Research 2019 (EURO 30).

EL OUARDIGHI, F. (2019). Economic and Environmental Impact of Vertical and Horizontal Competition and Integration. Dans: 2019 INFORMS International Conference.

EL OUARDIGHI, F., KOGAN, K. et GRASS, D. (2018). Cheatin or Delighting Customer on ProducQuality ? Dans: Optimization Days 2018.

EL OUARDIGHI, F., KOGAN, K. et GRASS, D. (2018). Cheating or Delighting Customers on Product Quality? Dans: 2018 Séminaire Fondation HEC Montréal.

EL OUARDIGHI, F., KOGAN, K. et GRASS, D. (2018). Control Of Addictive Behaviors with Relapsing. Dans: 14th Viennese Conference on Optimal Control and Dynamic Games.

EL OUARDIGHI, F. (2017). Cheating or Delighting Customers on Product Quality. Dans: 2017 Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting.

EL OUARDIGHI, F. (2017). Economic and Environmental Impact of Vertical Decisional Sequences under Horizontal Competition and Integration. Dans: 2017 Optimization Days.

EL OUARDIGHI, F. (2016). Capital Growth With Recycling And The Environmental Kuznets Curve. Dans: 2016 Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS).

EL OUARDIGHI, F. (2016). Design Quality Improvement and Cost-Reducing R&D Strategies Under Conventional Supply Chain Contracts. Dans: 7th Workshop on Dynamics Games in Management Science.

EL OUARDIGHI, F. (2016). Economic Growth with Recycling and the Environmental Kuznets Curve. Dans: 5th EULOG Meeting 2016.

EL OUARDIGHI, F. (2016). Emissions and Deforestation Policies under Endogenous Environmental Absorption Efficiency. Dans: 2016 Optimization Days.

EL OUARDIGHI, F. (2015). Advertising and Quality-Dependent Word of Mouth in a Contagion Sales Model. Dans: INFORMS Annual Meeting 2015.

EL OUARDIGHI, F., FEICHTINGER, G., GRASS, D., HARTL, R. et KORT, P.M. (2015). Autonomous and Advertising Dependent Word of Mouth under Costly Dynamic Pricing. Dans: 2015 Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS).

EL OUARDIGHI, F. (2015). Pollution Accumulation and Abatement Policies under Bilateral Duopolistic Competition. Dans: 13th Viennese Workshop on Optimal Control and Dynamic Games.

EL OUARDIGHI, F. et BOWON, K. (2014). Pollution Control, Bilateral Duopoly, Double Marginalization, Dynamic Games. Dans: 2014 INFORMS Annual Meeting.

EL OUARDIGHI, F. et KOGAN, K. (2014). SpilloversTransboundary Pollution Control And Environmental Absorption Efficiency Management. Dans: 20th Conference of the International Federation of Operational Research Societies (IFORS).

EL OUARDIGHI, F. (2014). The Impact of Double Marginalization on the Evolution of Pollution in a Simple Supply Chain. Dans: Journée de l'Optimisation 2014.

EL OUARDIGHI, F., SHNIDERMAN, M. et PASIN, F. (2013). Cost-Reducing R&D with Free Spillovers and Price Competition in a Dynamic Duopoly. Dans: 26th EURO – INFORMS Joint International Conference.

EL OUARDIGHI, F., PASIN, F. et MATAN, S. (2013). Cost-Reducing R&D with Free Spillovers and Price Competition in a Dynamic Duopoly. Dans: Optimization Days 2013.

EL OUARDIGHI, F., DENOYEL, V. et ESPINOZA, J.C. (2013). Non-cooperative Trade-offs among Design Quality and Cost-reducing R&D in a Supply Chain. Dans: INFORMS Annual Meeting 2013.

EL OUARDIGHI, F., ERICKSON, G., GRAS, D. et JORGENSEN, S. (2013). Operations and Marketing Equilibrium Strategies under Wholesale Price and Revenue sharing Contracts in a Dynamic Vertical Channel. Dans: 10th International Conference on Computational Management Science.

EL OUARDIGHI, F. (2013). Transboundary Pollution Control and Environmental Absorption Efficiency Management. Dans: 5th Viennese Vintage Workshop on Heterogeneous Dynamic Models of Economic & Population System.

VRANCEANU, R., EL OUARDIGHI, F. et DUBART, D. (2012). Cooperation in Teams: A Real Effort Task Experiment with Punishment and Forgiveness. Dans: Economic Science Association European Conference 2012.

EL OUARDIGHI, F., ERICKSON, G., GRAS, D. et JORGENSEN, S. (2012). Operations and Marketing Equilibrium Strategies Under Wholesale Price and Revenue Sharing Contracts. Dans: INFORMS 2012 Annual Meeting.

EL OUARDIGHI, F. (2012). Production Capacity and Pricing Equilibrium Strategies in a Dynamic Supply Chain. Dans: 4th World Congress of the Game Theory Society.

EL OUARDIGHI, F. et ERICKSON, G. (2012). Production Capacity of Pricing Equilibrium Strategies in a Dynamic Supply Chain. Dans: Journée de l'Optimisation 2012.

EL OUARDIGHI, F. (2011). A Dynamic Game of Pollution and Environmental Absorption Capacity. Dans: IFORS 2011 Conference.

EL OUARDIGHI, F. et KOGAN, K. (2011). An Assessment of Contracts' Coordinating Power in Supply Quality Management. Dans: 2011 Optimization Days.

EL OUARDIGHI, F. et BOWON, K. (2011). Production Capacity and Pricing Equilibrium Strategies in a Supply Chain. Dans: INFORMS 2011 Annual Meeting.

SHNAIDERMANN, M. et EL OUARDIGHI, F. (2011). The Impact of Partial Information Sharing in a Two-echelon Supply Chain. Dans: INFORMS 2011 Annual Meeting.

EL OUARDIGHI, F. et TAPIERO, C. (1998). Optimal Advertising and Signal Reliability.

## Invité dans une conférence académique

EL OUARDIGHI, F. (2023). A dynamic model of environmental collapse. Dans: International Institute for Applied Systems Analysis (IIASA) Seminar. Laxenburg.

EL OUARDIGHI, F. (2023). Production-based pollution versus deforestation: optimal policy with state-independent and-dependent environmental absorption efficiency restoration process. Dans: Institute of Statistics and Mathematical Methods in Economics Seminar, Technical University of Vienna. Vienna.

EL OUARDIGHI, F. (2021). Epidemic control with endogenous treatment capability under popular discontent and social fatigue. Dans: HEC Montreal/Chair in Game theory and Management/GERAD Seminar, University of Montreal, Online.

## Documents de travail

EL OUARDIGHI, F., KOGAN, K. et BOUCEKKINE, R. (2017). *Optimal Recycling Under Heterogeneous Waste Sources and the Environmental Kuznets Curve*. ESSEC Business School.

VRANCEANU, R., EL OUARDIGHI, F. et DUBART, D. (2013). *Coordination in Teams: A Real Effort-task Experiment with Informal Punishment*. ESSEC Business School.

EL OUARDIGHI, F., KOGAN, K. et VRANCEANU, R. (2013). *Publish or Teach? Analysis of the Professor's Optimal Career Path*. ESSEC Business School.

KIM, B. et EL OUARDIGHI, F. (2003). *Supplier-manufacturer Collaboration on New Product Development*. ESSEC Business School.

EL OUARDIGHI, F. et PASIN, F. (2002). *Advertising and Quality Decisions over Time*. ESSEC Business School.

EL OUARDIGHI, F. (2002). *Dynamique des ventes et stratégies publicitaires concurrentielles*. ESSEC Business School.

EL OUARDIGHI, F. et PASIN, F. (2002). *Quality Improvement and a Goodwill Accumulation in a Dynamic Duopoly*. ESSEC Business School.

EL OUARDIGHI, F. et GANNON, F. (2001). *The Dynamics of Optimal Cooperation*. ESSEC Business School.

EL OUARDIGHI, F. (2000). *The Dynamics of Cooperation*. ESSEC Business School.

EL OUARDIGHI, F. (1999). *La théorie statistique de la décision. I*. ESSEC Business School.

EL OUARDIGHI, F. et TAPIERO, C.S. (1997). *Optimal advertising and quality under imperfect information*.

EL OUARDIGHI, F. et TAPIERO, C. (1996). *Modèles de diffusion en marketing*. ESSEC Business School.

EL OUARDIGHI, F. et TAPIERO, C. (1996). *Optimal Advertising and Signal Reliability*. ESSEC Business School.

EL OUARDIGHI, F. et TAPIERO, C. (1996). *Optimal Quality Improvement and Innovation over the Life Cycle*. ESSEC Business School.

EL OUARDIGHI, F. (1996). *Quality, Advertising, Price and the Diffusion of Innovations*. ESSEC Business School.

EL OUARDIGHI, F. et TAPIERO, C. (1995). *Achat, réachat et qualité des produits en contexte d'asymétrie d'information*. ESSEC Business School.

EL OUARDIGHI, F. et TAPIERO, C. (1995). *Qualité et diffusion des produits*. ESSEC Business School.

VAN WIJK, G. et EL OUARDIGHI, F. (1992). *La multinationalisation des entreprises françaises*. ESSEC Business School.

### Compte rendu d'ouvrage

EL OUARDIGHI, F. (2013). Rescension de l'ouvrage : La mondialisation, stade suprême du capitalisme ? Revue Française de Gestion, France.

EL OUARDIGHI, F. (2009). Supply Chain Games: Operations Management and Risk Valuation. International Game Theory Review, États-Unis.

### Etudes de cas publiées

EL OUARDIGHI, F. (2009). The Poseidon adventure. ESSEC Business School.

EL OUARDIGHI, F. (2009). The Poseidon adventure. ESSEC Business School.

### Presse

EL OUARDIGHI, F. 2025. *Behind the Book | The Unaffordable Price of Static Decision-Making Models, Challenges for Economics and Management Sciences*. Août.

EL OUARDIGHI, F. (2025). Behind the Book | Pollution Control in Economics and Management Science. *Research Communities by Springer Nature*.

EL OUARDIGHI, F. (1999). Comment gérer le secteur halieutique ? *La Vie Economique*, pp. 26-27.

## AUTRES ACTIVITES DE RECHERCHE

### Membre d'un comité de lecture

2010 - 2014 Journal of African Business

2006 - 2016 Revue Française de Gestion

2005 - 2014 International Game Theory Review

Depuis 2005 International Game Theory Review

### Relecteur pour :

4OR: A Quarterly Journal of Operations Research, Annals of Operations Research, Applied Mathematical Modelling, Central European Journal of Operations Research, Computers & Industrial Engineering, Computers & Operations Research, Decision Sciences, Dynamic Games and Applications, Economic Modelling, Environmental and Resource Economics, European Journal of Operational Research, IIE Transactions, International Game Theory Review, International Journal of Market Research, International Journal of Production Economics, International Transactions in Operational Research, Journal of Economic Dynamics and Control, Journal of Optimization Theory and Applications, Journal of the European Economic Association, Journal of the Operational Research Society, Management Science, Naval Research Logistics, Omega, Optimal Control Applications and Methods, OR Spectrum, Production Planning and Control, RAIRO - Operations Research, Review of Industrial Organization, Revue Française de Gestion, Transportation Research Part E: Logistics and Transportation Review

### Affiliations

2012 - 2015 Membre, Game Theory Society (GTS)

Depuis 2008 Membre, Production and Operations Management Society (POMS)

Depuis 2000 Membre, Institute for Operations Research and the Management Science (INFORMS)

Depuis 2000 Membre, International Society of Dynamic Games (ISDG)

### Supervision de thèses / HDR

2024 J. ZHAO (University of Edinburgh Business School), Rapporteur

2016 F. FANG NI (HEC Paris), Rapporteur

2010 Pietro DE GIOVANNI (ESSEC Business School), Directeur de thèse, Premier Poste : Assistant Professor - ESSEC Business School

## ACTIVITES PROFESSIONNELLES

### Consulting

1998 - Présent Consultant et formateur pour des organisations publiques et privées, françaises ou étrangères

1996 - 1998 Consultant pour le Ministère de la Pêche et de la Marine Commerciale du Royaume du Maroc, Rabat, Maroc

### Autres activités professionnelles

2000 - 2004 Expert pour la région Rhône-Alpes