

Fouad EL OUARDIGHI

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Professeur

Département: Systèmes d'Information, Data
Analytics et Opérations
Campus de Cergy

DIPLÔMES

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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)

CERTIFICATS

2003	International Teacher Program (ITP) (Alliance Manchester Business School Royaume-Uni)
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CARRIÈRE

POSITIONS ACADÉMIQUES PRINCIPALES

1998 - 2004-08-31 Professeur assistant (ESSEC Business School France)

- 2004 - 2009-08-31 Professeur associé (ESSEC Business School France)
- 2009 - Présent Professeur (ESSEC Business School France)
- 1991 - 1992-07-31 Assistant de Recherche, Département Stratégie et Gestion (ESSEC Business School France)
- 2020 - 2020-03-31 Chercheur Invité, Département de Gestion des Opérations (HEC Paris France)
- 2012 - 2012-06-30 Professeur Invité, Département de Gestion des Opérations (HEC Montréal Canada)
- 2012 - 2012-06-30 Chercheur Invité, Département d'Economie (McGill University Canada)
- 2012 - 2012-03-31 Chercheur Invité, Département de Marketing (University of Washington États-Unis)
- 2005 - 2011-07-31 Chargé de Cours (Institut de Commerce et d'Administration des Entreprises (ISCAE) Maroc)
- 1997 - 1998-10-01 Professeur Assistant, Département de Décisions et Systèmes d'Information (Audencia Business School France)
- 1996 - 1997-07-31 Professeur Visitant, Département Logistique et Production (ESSEC Business School France)
- 1994 - 1998-07-31 Chargé de Cours, Faculté de Gestion (Université Paris X Nanterre France)
- 1994 - 1995-07-31 Chargé de cours, Département de Gestion (École des Mines de Nantes France)
- 2010 - Présent Chargé de cours en gestion de la chaîne d'approvisionnement (Bar-Ilan University Israël)

AUTRES POSITIONS ACADÉMIQUES

- 1992 - 1994-12-31 Assistant/Titulaire de bourse, Faculté de Gestion (Université Paris X Nanterre France)
- 1999 - 2000-12-31 Directeur Académique du Programme d'Intrapreneuriat (ESSEC Business School France)
- 1999 - 2001-12-31 Academic director of the Executive Specialized Programs of Logistics and Production (ESSEC Business School France)
- 2004 - 2006-12-31 Créateur de la filière Gestion des Opération et Sciences de Décision du Programme Ph.D. (ESSEC Business School France)

- 2006 - 2007-08-31 Directeur Académique du Master Spécialisé en Gestion des Services Publics (ESSEC Business School France)
- 2000 - 2009-08-31 Directeur Académique du Master Spécialisé en Logistique et Gestion de la Chaîne d'Approvisionnement (Supply Chain Management) (ESSEC Business School France)
- 2003 - 2009-08-31 Créateur et Directeur académique du Master Spécialisé en Gestion des Projets Technologiques (ESSEC Business School France)
- 2007 - 2010-08-31 Coordinateur de Programme Ph.D. pour la filière Gestion des Opérations et Sciences de Décision (ESSEC Business School France)
- 2021 - Présent Coordination concentration de Phd Operations Management and Operations Research (ESSEC Business School France)
- 2022 - 2022-04-01 Chercheur invité (HEC Paris France)
- 2022 - 2023-06-12 Chercheur invité (TU Wien Autriche)
- 2024 - 2024-06-09 Professeur visitant (HEC Montréal Canada)

AUTRES POSITIONS

- 2001 - 2009-08-31 Président du Département de Management des Opérations (ESSEC Business School France)

PUBLICATIONS

DOCUMENTS DE TRAVAIL

[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., KOGAN, K. et VRANCEANU, R. \(2013\). *Publish or Teach? Analysis of the*](#)

[Professor's Optimal Career Path. ESSEC Business School.](#)

[EL OUARDIGHI, F. et TAPIERO, C. \(1995\). *Qualité et diffusion des produits*. 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. \(1996\). *Quality, Advertising, Price and the Diffusion of Innovations*. ESSEC Business School.](#)

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

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

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

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

[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 PASIN, F. \(2002\). *Advertising and Quality Decisions over Time*. 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. \(2002\). *Dynamique des ventes et stratégies publicitaires concurrentielles*. ESSEC Business School.](#)

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

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

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

ARTICLES OU VIDÉOS DE VULGARISATION

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

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

ETUDES DE CAS DÉPOSÉES

[EL Ouardighi, F. \(2009\). The Poseidon adventure. ESSEC Business School.](#)

[EL Ouardighi, F. \(2009\). The Poseidon adventure. ESSEC Business School.](#)

CHAPITRES

[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.](#)

[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.](#)

[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.](#)

[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.](#)

[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. \(2013\). 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.](#)

[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.](#)

ARTICLES

[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., 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.](#)

[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.](#)

[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.](#)

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

[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 TAPIERO, C. \(1997\). Modèles de diffusion en marketing. *Recherche et Applications en Marketing*, pp. 15-40.](#)

[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., 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.](#)

[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. 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.](#)

[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., 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.](#)

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

[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 PASIN, F. \(2006\). Quality Improvement and Goodwill Accumulation in a Dynamic Duopoly. *European Journal of Operational Research*, pp. 1021-1032.](#)

[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., 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 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. \(2014\). 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.](#)

[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.](#)

[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. \(2002\). The Dynamics of Cooperation. *International Game Theory Review*, pp. 1-16.](#)

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

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

[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., 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.](#)

[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.](#)

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

[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.](#)

[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.](#)

[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., 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., 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., 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. \(2013\). A Dynamic Game with Monopolist Manufacturer and Price-Competing Duopolist Retailers. *OR Spectrum*, 35\(4\), pp. 1059-1084.](#)

[EL OUARDIGHI, F., GRASS, D. et KOGAN, K. \(2025\). Cheating or Delighting Customers on Quality: Strategic Implications for Delayed Information Disclosure. *European Journal of Operational Research*, In press.](#)

COMMUNICATIONS DANS UNE CONFÉRENCE

[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., 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.](#)

[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., 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., GNECCO, G. et SANGUINETI, M. \(2020\). Should Forest be Restored by Polluters or Deforesters ? Dans: 2020 Optimization Days.](#)

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

[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. \(2016\). 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. \(2021\). Control of an Epidemic With Endogenous Treatment Capability Under Popular Discontent and Social Fatigue. Dans: 2021 POMS Annual Conference. Online.](#)

[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., 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. \(2016\). 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., 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., 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. et KOGAN, K. \(2014\). Spillovers Transboundary Pollution Control And Environmental Absorption Efficiency Management. Dans: 20th Conference of the International Federation of Operational Research Societies \(IFORS\).](#)

[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.](#)

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

[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. \(2019\). Economic and Environmental Impact of Vertical and Horizontal Competition and Integration. Dans: 2019 INFORMS International Conference.](#)

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

[EL OUARDIGHI, F. \(2016\). 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., 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. et TAPIERO, C. \(1998\). Optimal Advertising and Signal Reliability.](#)

[EL OUARDIGHI, F. \(2015\). Pollution Accumulation and Abatement Policies under Bilateral Duoplistic 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. \(2012\). Production Capacity and Pricing Equilibrium Strategies in a Dynamic Supply Chain. Dans: 4th World Congress of the Game Theory Society.](#)

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

[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. \(2014\). The Impact of Double Marginalization on the Evolution of Pollution in a Simple Supply Chain. Dans: Journée de l'Optimisation 2014.](#)

[SHNAIDERMAN, 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. \(2015\). Advertising and Quality-Dependent Word of Mouth in a Contagion Sales Model. Dans: INFORMS Annual Meeting 2015.](#)

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

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

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

[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., KOGAN, K. et GRASS, D. \(2018\). Cheating or Delighting Customers on Product Quality? Dans: 2018 Séminaire Fondation HEC Montréal.](#)

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

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

INVITÉ DANS UNE CONFÉRENCE ACADÉMIQUE (KEYNOTE SPEAKER)

[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.](#)

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

DIRECTION D'OUVRAGE

[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.](#)

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

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

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ACTIVITÉS DE RECHERCHE

Membre d'une association académique

- 2000 - Présent: Membre, Institute for Operations Research and the Management Science (INFORMS)
2012 - 2015: Membre, Game Theory Society (GTS)
2008 - Présent: Membre, Production and Operations Management Society (POMS)
2000 - Présent: Membre, International Society of Dynamic Games (ISDG)

Membre d'un comité de lecture

- 2005 - 2014: Editeur associé - International Game Theory Review
2005 - Présent: Membre du comité de lecture - International Game Theory Review
2010 - 2014: Membre du comité de lecture - Journal of African Business
2006 - 2016: Membre du comité de lecture - Revue Française de Gestion

Reviewer pour un journal

- 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

ACTIVITÉS 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

Membre d'une association professionnelle, d'un groupe d'experts ou d'un conseil d'administration

- 2000 - 2004: Expert pour la région Rhône-Alpes