

# Fouad EL Ouardighi

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Professor

Department: Information Systems, Data Analytics  
and Operations  
Campus de Cergy

## DIPLOMAS

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### DIPLOMAS

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|------|---|
| 2001 | PhD in Management Science<br>(ESSEC Business School France)   |
| 1996 | Doctorat in Science of Management<br>(Université Paris X Nanterre France)   |
| 1991 | DEA (Top of the Class), Science in Management, HEC-ESSEC-Université Paris<br>X Nanterre<br>(ESSEC Business School France) |
| 1989 | DEA, Dynamics of the Productive systems and global economy<br>(Université Paris X Nanterre France)                        |
| 1988 | Maîtrise, Corporate Economy<br>(Université Paris X Nanterre France)   |
| 1984 | Baccalauréat, B series<br>(Lycée Descartes Morocco)   |

### CERTIFICATES

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|------|---|
| 2003 | International Teacher Program (ITP)<br>(Alliance Manchester Business School United Kingdom) |
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## CAREER

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### FULL-TIME ACADEMIC APPOINTMENTS

- 1998 - 2004-08-31 Assistant Professor (ESSEC Business School France)

- 2004 - 2009-08-31 Associate Professor (ESSEC Business School France)
- 2009 - Now Professor (ESSEC Business School France)
- 1991 - 1992-07-31 Research assistant, Strategy and Management Department (ESSEC Business School France)
- 2020 - 2020-03-31 Visiting scholar, Department of Operations Management (HEC Paris France)
- 2012 - 2012-06-30 Visiting professor, Department of Operations Management (HEC Montréal Canada)
- 2012 - 2012-06-30 Visiting scholar, Department of Economics (McGill University Canada)
- 2012 - 2012-03-31 Visiting scholar, Department of Marketing (University of Washington United States of America)
- 2005 - 2011-07-31 Lecturer (Institut de Commerce et d'Administration des Entreprises (ISCAE) Morocco)
- 1997 - 1998-10-01 Assistant professor, Decision and Information Systems Department (Audencia Business School France)
- 1996 - 1997-07-31 Visiting professor, Logistics and Production Department (ESSEC Business School France)
- 1994 - 1998-07-31 Lecturer, Faculty of Management (Université Paris X Nanterre France)
- 1994 - 1995-07-31 Lecturer, Management Department (École des Mines de Nantes France)
- 2010 - Now Lecturer in Supply Chain Management (Bar-Ilan University Israel)

#### **OTHER ACADEMIC APPOINTMENTS**

- 1992 - 1994-12-31 Scholarship holder/assistant, Faculty of Management (Université Paris X Nanterre France)
- 1999 - 2000-12-31 Academic director of the In-Company Projects Program (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 Founder of the Ph.D. program track in Operations Management and Decision Sciences (ESSEC Business School France)

- 2006 - 2007-08-31 Academic director of the Specialized Master of Public Services Management ( ESSEC Business School France)
- 2000 - 2009-08-31 Academic director of the Specialized Master of Logistics and Supply Chain Management (ESSEC Business School France)
- 2003 - 2009-08-31 Founder and academic director of the Specialized Master of Technological Projects Management (ESSEC Business School France)
- 2007 - 2010-08-31 Coordinator of the Ph.D. program track in Operations Management and Decision Sciences (ESSEC Business School France)
- 2021 - Now Coordinator Phd concentration in Operations Management and Operations Research (ESSEC Business School France)
- 2022 - 2022-04-01 Visiting scholar (HEC Paris France)
- 2022 - 2023-06-12 Visiting scholar (TU Wien Austria)
- 2024 - 2024-06-09 Visiting Professor (HEC Montréal Canada)

## **OTHER APPOINTMENTS**

- 2001 - 2009-08-31 Chairperson of the Department of Logistics, Production and Service (ESSEC Business School France)

## **PUBLICATIONS**

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### **WORKING PAPERS**

[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.](#)

## **PRESS ARTICLE, VIDEO OR OTHER POPULAR MEDIA**

[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\*.](#)

## **PUBLISHED CASES**

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

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

## **BOOK CHAPTERS**

[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.](#)

## JOURNAL 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., JØRGENSEN, 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.](#)

## **PRESENTATIONS AT AN ACADEMIC OR PROFESSIONAL CONFERENCE**

[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 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. \(2012\). 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.](#)

## **INVITED SPEAKER AT AN ACADEMIC CONFERENCE**

[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.](#)

## **BOOK EDITOR**

[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.](#)

## **BOOKS**

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

## **BOOK REVIEWS**

[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.](#)

## **INTERVIEWS: RADIO - TV - PRESS**

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

## **RESEARCH ACTIVITIES**

### **Member of an academic association**

2000 - Now: Member of Institute for Operations Research and the Management Science (INFORMS)

2012 - 2015: Member of Game Theory Society (GTS)

2008 - Now: Member of Production and Operations Management Society (POMS)

2000 - Now: Member of International Society of Dynamic Games (ISDG)

### **Editorial Board Membership**

2005 - 2014: Associate editor - International Game Theory Review

2005 - Now: Editorial board membership - International Game Theory Review

2010 - 2014: Editorial board membership - Journal of African Business

2006 - 2016: Editorial board membership - Revue Française de Gestion

### **Reviewer for a journal**

- Reviewer for 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

## **PROFESSIONAL ACTIVITIES**

### **Consulting**

- 1998 - Now: Consultant and educator for French and foreign, private and public organizations
- 1996 - 1998: Consultant for the Ministry of fisheries and the merchant navy of the Kingdom of Morocco, Rabat, Morocco

### **Member of a professional association, of an expert group or of a board of directors**

- 2000 - 2004: Expert for the Rhône-Alpes Regional Committee, France