Fouad EL OUARDIGHI

Professor
Department: Information Systems, Data Analytics and Operations
ESSEC Business School
3 avenue Bernard Hirsch
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Country of origin: France

RESEARCH INTERESTS

Supply chain management, Quality management, R&D management, Pollution control,

EDUCATION

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

EMPLOYMENT

Full-time academic positions

2020 - 2020	Visiting scholar, Department of Operations Management, HEC Paris, France
2012 - 2012	Visiting scholar, Department of Economics, McGill University, Canada
2012 - 2012	Visiting professor, Department of Operations Management, HEC Montréal, Canada
2012 - 2012	Visiting scholar, Department of Marketing, University of Washington, United States of America
2010 - Present	Lecturer in Supply Chain Management, Bar-Ilan University, Israel
2009 - Present	Professor, ESSEC Business School, France
2005 - 2011	Lecturer, Institut de Commerce et d'Administration des Entreprises (ISCAE), Morocco
2004 - 2009	Associate Professor, ESSEC Business School, France
1998 - 2004	Assistant Professor, ESSEC Business School, France
1997 - 1998	Assistant professor, Decision and Information Systems Department, Audencia Business School, France

1996 - 1997	Visiting professor, Logistics and Production Department, ESSEC Business School, France
1994 - 1998	Lecturer, Faculty of Management, Université Paris X Nanterre, France
1994 - 1995	Lecturer, Management Department, École des Mines de Nantes, France
1991 - 1992	Research assistant, Strategy and Management Department, ESSEC Business School, France

Other affiliations and appointments

2021 - Present	Coordinator Phd concentration in Operations Management and Operations Research, ESSEC Business School, France
2007 - 2010	Coordinator of the Ph.D. program track in Operations Management and Decision Sciences, ESSEC Business School, France
2006 - 2007	Academic director of the Specialized Master of Public Services Management, ESSEC Business School, France
2004 - 2006	Founder of the Ph.D. program track in Operations Management and Decision Sciences, ESSEC Business School, France
2003 - 2009	Founder and academic director of the Specialized Master of Technological Projects Management, ESSEC Business School, France
2001 - 2009	Chairperson of the Department of Logistics, Production and Service, ESSEC Business School, France
2000 - 2009	Academic director of the Specialized Master of Logistics and 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	Academic director of the In-Company Projects Program, ESSEC Business School, France
2024 - 2024	Visiting Professor, HEC Montréal, Canada
2022 - 2023	Visiting scholar, Vienna University of Technology, Austria
2022 - 2022	Visiting scholar, HEC Paris, France
1992 - 1994	Scholarship holder/assistant, Faculty of Management, Université Paris X Nanterre, France

GRANTS AND HONORS

Awards and Honors

2026	Wally Hopp Best Healthcare Paper Award for its paper “Epidemic Control with Endogenous Teatment Capability Under Popular Discontent and Social Fatigue”, by the POM Journal.
1991	Excellence scholarship, République française, France
1991	Top of the Class, DEA es-sciences de gestion, HEC-ESSEC-Université Paris X

Nanterre, ESSEC Business School, France

Grants

1992 Scholarship holder/assistant, Management Faculty, Université Paris X Nanterre, France

PUBLICATIONS

Journal Articles

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

BENSOUSSAN, A. and 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. and 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. and 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. and 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. and 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. and 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. and 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. and SANGUINETI, M. (2020). Transboundary pollution control and environmental absorption efficiency management. *Annals of Operations Research*, 287, pp. 653-681.

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

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

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

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

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

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

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

Books and book editor

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

Book chapters

EL OUARDIGHI, F. and FEICHTINGER, G. (2025). Turning the page. In: 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. and VAN DELFT, C. (2025). The limits of static decision-making rules in supply chain management. In: 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. In: 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. and JØRGENSEN, S. (2020). Contracts and Information Structure in a Supply Chain with Operations and Marketing Interaction. In: Leon A Petrosyan, David Wing Kay Yeung eds. *Game Theoretic Analysis*. 1st ed. World Scientific, pp. 93-128.

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

BOUCEKKINE, R. and EL OUARDIGHI, F. (2016). Optimal Growth with Polluting Waste and Recycling. In: *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. In: *Models and Methods in Economics and Management Science: Essays in Honor of Charles S. Tapiero*. 1st ed. Springer, pp. 107-130.

BOWON, K. and EL OUARDIGHI, F. (2007). Supplier Manufacturer Collaboration on New Product Development. In: *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. In: *Savoir gérer. Mélanges en l'honneur de Jean-Claude Tarondeau*. 1st ed. Vuibert, pp. 151-168.

Conferences

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

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

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

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

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

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

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

EL OUARDIGHI, F., KIM, B.W. and VAN DELFT, C. (2022). The Relative Impact of International Travel Restriction during the Covid-19 Pandemic. In: 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. In: 2021 POMS Annual Conference. Online.

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

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

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

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

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

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

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

EL OUARDIGHI, F. (2017). Cheating or Delighting Customers on Product Quality. In: 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. In: 2017 Optimization Days.

EL OUARDIGHI, F. (2016). Capital Growth With Recycling And The Environmental Kuznets Curve. In: 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. In: 7th Workshop on Dynamics Games in Management Science.

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

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

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

EL OUARDIGHI, F., FEICHTINGER, G., GRASS, D., HARTL, R. and KORT, P.M. (2015). Autonomous and Advertising Dependent Word of Mouth under Costly Dynamic Pricing. In: 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. In: 13th Viennese Workshop on Optimal Control and Dynamic Games.

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

EL OUARDIGHI, F. and KOGAN, K. (2014). SpilloversTransboundary Pollution Control And Environmental Absorption Efficiency Management. In: 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. In: Journée de l'Optimisation 2014.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Invited speaker

EL OUARDIGHI, F. (2023). A dynamic model of environmental collapse. In: 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. In: 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. In: HEC Montreal/Chair in Game theory and Management/GERAD Seminar, University of Montreal, Online.

Working Papers

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

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

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

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

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

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

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

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

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

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

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

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, United States of America.

Published Cases

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

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

Press

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

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.

OTHER RESEARCH ACTIVITIES

Editorial Board Membership

2010 - 2014 Journal of African Business

2006 - 2016 Revue Française de Gestion

2005 - 2014 International Game Theory Review

Since 2005 International Game Theory Review

Ad-hoc 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

Affiliations

2012 - 2015 Member of Game Theory Society (GTS)

Since 2008 Member of Production and Operations Management Society (POMS)

Since 2000 Member of Institute for Operations Research and the Management Science (INFORMS)

Since 2000 Member of International Society of Dynamic Games (ISDG)

PhD Supervision

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

2016 F. FANG NI (HEC Paris), Thesis referee

2010 Pietro DE GIOVANNI (ESSEC Business School), Thesis director, First Placement: Assistant Professor - ESSEC Business School

PROFESSIONAL ACTIVITIES

Consulting

1998 - Present 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

Other professional activities

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