Xavier BRUSSET
Professor

Academy: Digitalization

Research center: SKEMA Centre for Analytics and Management Science

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Research interests

Information Systems applied to logistics and supply chain management, organization and management of operations for large and small firms, Problem solving of managerial issues affecting the efficiency and profitability of operations of both inbound and outbound logistics and as well as information processes, Supply chain management, distributiontailing, blockchain, weather risk

Teaching interests

Information Systems applied to logistics and supply chain management, Organization and management of operations for large and small firms, Problem solving of managerial issues affecting the efficiency and profitability of operations of both inbound and outbound logistics and as well as information processes, Supply chain management, Weather risk

Education

2016	HDR in Management Science, Université Paris Nanterre, France
2010	Doctorate in Supply Chain Management, Université catholique de Louvain, Belgium
2003	DEA, Université catholique de Louvain, Belgium

Experience

Full-time academic positions

Since 2016	Professor in Supply Chain, SKEMA Business School, France
2015 - 2016	Professor in Purchasing and Supply Chain, Toulouse Business School, France
2009 - 2015	Associate Professor in Purchasing and Supply Chain & In charge of the Master 2 in Achats et Supply Chain Management, ESSCA School of Management, France

Other academic affiliations and appointments

Since 2017	Director of the PRISM Research Centre, SKEMA Business School, France
2017 - 2019	Program Director - Master of Science in Supply Chain Management and Purchasing, SKEMA Business School, France

Other professional experiences

2007 - 2009	Project Manager, TransLogisTIC, Belgium
2000 - 2002	Co-Founder & Marketing/Sales Manager, WebLogistix, Argentina
1997 - 2000	Sales Representative, PERAX, AREAL, Argentina
1995 - 1997	Money Market fund Manager, Banque Française du Commerce Extérieur, France
1994 - 1995	Fixed Income strategist, Société Générale, France
1992 - 1994	Futures broker, Paine Webber France, France

Other professional experiences

1987 - 1992   Interest rate futures broker, X. Dupont F.Denant Stockmarket broker, France

Publications

Peer-reviewed journal articles

BRUSSET, X., JEBALI, A., LA TORRE, D. and LIUZZI, D. (2025). Production optimization in the time of pandemic: an SIS-based optimal controlmodel with protection effort and cost minimization. *Annals of Operations Research*, 344, pp. 79-102.

BROEKAERT, J., LA TORRE, D., HAFIZ, F. and BRUSSET, X. (2025). The diverging control policy's hand in supranational supply chain reconfiguration. *International Journal of Production Economics*, 284, pp. 109567.

BRUSSET, X., KINRA, A., NASERALDIN, H. and ALKHUDARY, R. (2024). Increasing willingness to pay in the food supply chain: a Blockchain-oriented trust approach. *International Journal of Production Research*, 62(24), pp. 8858-8879.

BRUSSET, X., ZHANG, L., MA, Y., ZHANG, F. and QIAO, P. (2024). Resilience of interdependent supply chain networks design and protection under the ripple effect. *International Journal of Production Research*, 62(24), pp. 8651-8677.

BERTRAND, J.L., CHABOT, M., BRUSSET, X. and COURQUIN, V. (2024). Identifying assets exposed to physical climate risk: A decision-support methodology. *International Journal of Production Economics*, 276(109355).

BRUSSET, X., JEBALI, A. and LA TORRE, D. (2023). Production optimisation in a pandemic context. *International Journal of Production Research*, 61(5), pp. 1642-1663.

BRUSSET, X., DAVARI, M., KINRA, A. and LA TORRE, D. (2023). Modelling ripple effect propagation and global supply chain workforce productivity impacts in pandemic disruptions. *International Journal of Production Research*, 61(8), pp. 2493-2512.

BRUSSET, X., IVANOV, D., JEBALI, A., LA TORRE, D. and REPETTO, M. (2023). A dynamic approach to supply chain reconfiguration and ripple effect analysis in an epidemic. *International Journal of Production Economics*, 263, pp. 108935.

BRUSSET, X., JEBALI, A., LA TORRE, D. and MAZAHIR, S. (2022). Optimal Pollution Control in a Dynamic Multi-echelon Supply Chain. *Environmental Modeling and Assessment*, 27, pp. 585-598.

BERTRAND, J.L., BRUSSET, X. and CHABOT, M. (2021). Protecting Franchise Chains against Weather Risk: A Design Science Approach. *Journal of Business Research*, 125, pp. 187-200.

REICH, J., KINRA, A., KOTZAB, H. and BRUSSET, X. (2021). Strategic global supply chain network design – how decision analysis combining MILP and AHP on a Pareto front can improve decision-making. *International Journal of Production Research*, 59(5), pp. 1557-1572.

ALKHUDARY, R., BRUSSET, X. and FENIÈS, P. (2020). Blockchain in General Management and Economics: A Systematic Literature Review. *European Business Review*, 32(4), pp. 765-783.

TELLER, C., BRUSSET, X. and KOTZAB, H. (2019). Physical and Digital Market Places - Where Marketing Meets Operations. *International Journal of Retail and Distribution Management*, 47(12), pp. 1225-1231.

BRUSSET, X. and BERTRAND, J.L. (2018). Hedging weather risk and coordinating supply chains. *Journal of Operations Management*, 64(1), pp. 41-52.

BERTRAND, J.L. and BRUSSET, X. (2018). Managing the financial consequences of weather variability. *Journal of Asset Management*, 19(5), pp. 301-315.

BRUSSET, X. and AGRELL, P. (2017). Intrinsic impediments to category captainship collaboration. *Journal of Industrial and Management Optimization*, 13(1), pp. 113-133.

BRUSSET, X. and TELLER, C. (2017). Supply Chain Capabilities, Risks, and Resilience. *International Journal of Production Economics*, 184, pp. 59-68.

BRUSSET, X. (2016). Does supply chain visibility enhance agility? *International Journal of Production Economics*, 171(1), pp. 46-59.

BRUSSET, X. (2016). When manufacturers hold information back from strong suppliers. *RAIRO - Operations Research*, 50(3), pp. 553-565.

BERTRAND, J.L., BRUSSET, X. and FORTIN, M. (2015). Assessing and hedging the cost of unseasonal weather: case of the apparel sector. *European Journal of Operational Research*, 243(1), pp. 345-363.

BRUSSET, X. and AGRELL, P. (2015). Dynamic supply chain coordination games with repeated bargaining. *Computers & Industrial Engineering*, 80, pp. 12-22.

BRUSSET, X. (2014). Estimating the supply chain efficiency loss when the seller has to estimate the buyer's willingness to pay. *RAIRO - Operations Research*, 48(4), pp. 477-496.

BRACH, F. and BRUSSET, X. (2014). La reverse logistique en tant qu'avantage compétitif. *Revue Française de Gestion Industrielle*, 33(1), pp. 33-53.

BRUSSET, X. (2012). Avantages économiques du partage de l'information dans une chaine étendue. *Revue Française de Gestion Industrielle*, 31(2), pp. 103-119.

BRUSSET, X. (2009). Choosing a transport contract over multiple periods. *International Journal of Logistics Systems and Management*, 5(3-4), pp. 273-322.

BRUSSET, X. and TEMME, N. (2007). Optimizing an objective function under a bivariate probability model. *European Journal of Operational Research*, 179(2), pp. 444-458.

Books and book editor

BRUSSET, X. [Ed] (2013). *Cas en distribution: 7 cas réels d'entreprises. Corrigés détaillés.* EMS Éditions, 122 pages.

BRUSSET, X. (2010). *Modeling contractual relationships in transport*. Presses universitaires de Louvain, 268 pages.

Book chapters

BRUSSET, X., LA TORRE, D. and BROEKAERT, J. (2022). Algorithms, Analytics and Artificial Intelligence - Harnessing Data to Make Supply Chain Decisions. In: Bart MacCarthy, Dmitry Ivanov eds. *The Digital Supply Chain*. 1st ed. Amsterdam: Elsevier, pp. 93-110.

BRUSSET, X., DAVARI, M., KINRA, A. and LA TORRE, D. (2021). Modelling COVID-19 Ripple Effect and Global Supply Chain Productivity Impacts Using a Reaction-Diffusion Time-Space SIS Model. In: Alexandre Dolgui, Alain Bernard, David Lemoine, Gregor von Cieminski, David Romero eds. *Advances in Production Management Systems. Artificial Intelligence for Sustainable and Resilient Production Systems*. 1st ed. Nantes: Springer, pp. 3-12.

BRUSSET, X. (2013). Gestion de la qualité en distribution: Cas Pizzeria. In: Xavier Brusset (ed.). *Cas en distribution: 7 cas réels d'entreprises*. 1st ed. Paris: EMS Éditions, pp. 102-118.

BRUSSET, X. (2009). Multi Period contracts in transport under asymmetric information and prior investments. In: Stefan Voss and Julia Pahl and Silvia Schwarze (ed.). *Logistik Management, Systeme, Methoden, Integration*. 1st ed. Springer, pp. 37-54.

BRUSSET, X. (2007). Endogenous choice of procurement contracts in a supply chain. In: René de Koster and Werner Delfmann (ed.). *Managing Supply Chains: Challenges and Opportunities*. 1st ed. Copenhagen Business School Press, pp. 145-174.

BRUSSET, X. and TEMME, N. (2005). The impact of information and coordination on transport procurement. In: René de Koster and Werner Delfmann (ed.). *Supply Chain Management -- European Perspectives*. 1st ed. Copenhagen Business School Press, pp. 239-261.

Guest editor of a journal special issue

KOTZAB, H., BRUSSET, X. and PETLJAK, K. (2023). Guest editorial: The new age of retailing: rethink, reconnect, revive. *International Journal of Retail and Distribution Management*, 51(9/10), pp. 1061-1064.

FRASQUET, M., BRUSSET, X., KOTZAB, H. and TELLER, C. (2021). Transforming Retail Channels in the Digital Era: Marketing and Operations Perspectives - Guest Editorial. *International Journal of Retail and Distribution Management*, 49(7), pp. 813-816.

BRUSSET, X., TELLER, C. and KOTZAB, H. (2017). Guest Editorial. *International Journal of Retail and Distribution Management*, 45(7-8), pp. 686-688.

Editorials of a journal

BRUSSET, X. (2022). Guest editorial: Building resilience in retail for the post COVID-19 world - marketing and operations perspective. *International Journal of Retail and Distribution Management*, 50(8/9), pp. 897-899.

Conference proceedings

BRUSSET, X., DAVARI, M., KINRA, A. and LA TORRE, D. (2021). Modelling COVID-19 Ripple Effect and Global Supply Chain Productivity Impacts Using a Reaction-Diffusion Time-Space SIS Model. pp. 3-12.

ALKHUDARY, R., BRUSSET, X. and FENIÈS, P. (2020). Blockchain and Risk in Supply Chain Management., 23, pp. 159-165.

BRUSSET, X. and BERTRAND, J.L. (2019). Impact of the weather on the price of potatoes.

BRUSSET, X. and DELAFENESTRE, R. (2018). New business models in supply chains: a bibliometric study.

BRUSSET, X. and AGRELL, P. (2018). Use and Misuse of supply chain echelon competition to improve efficiency. pp. 23-29.

DELAFENESTRE, R. and BRUSSET, X. (2018). Supply Chains and New Supply Chain Business Models: literature review and research agenda.

BRUSSET, X. and BERTRAND, J.L. (2018). Mitigating the consequences of abnormal weather: evidence from the cosmetics industry in the framework of chaos theory.

BRUSSET, X. and BERTRAND, J.L. (2017). Coordinating retailers and hedging weather risk in supply chains.

BRUSSET, X., DELAFENESTRE, R. and LECOEUVRE, L. (2017). Business process approach to risk mitigation in projects and supply chains, case studies.

BRUSSET, X. and DJERBI, Z. (2017). The impact of logistics turbulence on performance and the mitigating role of management controls.

DELAFENESTRE, R. and BRUSSET, X. (2017). Internet of Things, Big Data, and new business models: a literature review.

Keynote speaker

BRUSSET, X. (2023). Introduction to the 8th Colloquium on European Research in Retailing. In: CERR 2023. Portsmouth.

BRUSSET, X. (2022). Colloquium on European Research in Retailing. In: Colloquium on European Research in Retailing. Zagreb.

BRUSSET, X. (2021). Colloquium on European Research in Retailing. In: Collouqium on European Research in Retailing. Sophia Antipolis.

BRUSSET, X. (2018). Colloquium on European Research in Retailing. In: Colloquium on European Research in Retailing. Guildford.

BRUSSET, X. (2016). Colloquium on European Research in Retailing. In: Colloquium on European Research in Retailing. Toulouse.

Conference presentations

SUAREZ, M. and BRUSSET, X. (2024). Redesigning Demand-Driven Supply Chains: A Longitudinal Study-Based Approach. In: 19th CSCMP European Research Symposium (ERS) on Logistics and Supply Chain Management. Warsaw.

BRUSSET, X. (2023). Colloquium on European Research in Retailing. In: Colloquium on European Research in Retailing. Portsmouth.

BRUSSET, X. and SUAREZ, M. (2023). Last Mile Collaboration Business Models and Incentive Schemes. In: International Physical Internet Conference 2023. Athens.

BRUSSET, X. (2023). Business Models and Information requirements for AI last mile distribution models. In: URBANE Second Face to Face meeting. Helsinki.

BRUSSET, X., BERTRAND, J.L. and CHABOT, M. (2023). Do firms with ESG risks develop enough managerial control effort? In: POMS Paris 2023. Paris.

SUAREZ, M. and BRUSSET, X. (2023). Last Mile Collaboration: Business Models and Incentive Schemes. In: IPIC 2023. Athens.

BRUSSET, X., KINRA, A., ALKHUDARY, R. and NASERALDIN, H. (2022). Increasing willingness to pay in a food supply chain: a blockchain approach. In: CLAIO 2022. Buenos Aires.

ALKHUDARY, R., BRUSSET, X. and OKOLI, C. (2021). In blockchain we trust? A critical review of blockchain in supply chains. In: MIS Quarterly Author Development Workshop. Virtual.

ALKHUDARY, R., BRUSSET, X. and OKOLI, C. (2020). A Theory of Trust and Performance with Blockchain in Supply Chains. In: JAIS Theory Development Workshop. Baylor.

BRUSSET, X. and DELAFENESTRE, R. (2018). New business models in supply chains: a bibliometric study. In: CERR Colloquium on European Research in Retailing. Guildford.

BRUSSET, X. and BERTRAND, J.L. (2018). Mitigating the consequences of abnormal weather: evidence from the cosmetics industry in the framework of chaos theory. In: ILS conference. Lyon.

BRUSSET, X. and DELAFENESTRE, R. (2018). Supply Chains and New Business Models: literature review and research agenda. In: ILS conference. Lyon.

BERTRAND, J.L. and BRUSSET, X. (2018). Managing risks and opportunities of weather variability. In: Financial Risks International Forum. Paris.

LECOEUVRE, L., DELAFENESTRE, R. and BRUSSET, X. (2017). New actors, new processes: how to make risk management better, case studies. In: NOFOMA Conference. Lund.

BRUSSET, X. and DJERBI, Z. (2017). The impact of logistics emergencies on performance and the mitigating role of management controls. In: NOFOMA Conference. Lund.

BRUSSET, X. and BERTRAND, J.L. (2017). Coordinating retailers and hedging weather risk in supply chains. In: EUROMA Conference. Edinburgh.

Faculty research seminar presentations

BRUSSET, X. (2022). Modelling Ripple Effect Propagation And Global Supply Chain Workforce Productivity Impacts. In: Informs Annual Conference. indianpolis.

BRUSSET, X. (2022). Increasing willingness to pay in the food supply chain: a Blockchain approach. In: CLAIO 2022. Buenos Aires.

BRUSSET, X. (2021). Modelling COVID-19 Ripple Effect and Global Supply Chain Productivity Impacts Using a Reaction-Diffusion Time-Space SIS Model. In: IFIP 2021. Nantes.

BRUSSET, X. (2020). Maximizing Trust in the Olive Oil Supply Chain: A Blockchain-Based Approach. In: Colloquium on European Research in Retailing. Valence.

BRUSSET, X. (2020). Protecting franchise networks against weather risk, a methodology. In: EWGR Retail. Istamboul.

Other research activities

Senior or associate editor

2022 - 2023   International Journal of Retail and Distribution Management

2020 - 2022

Editorial board member

2022 - 2023   International Journal of Retail and Distribution Management

Reviewer for:

International Journal of Production Economics, International Journal of Operational Research, Production Planning and Control, Journal of the Operational Research Society, Operations Research, Supply Chain Forum: An International Journal, Systèmes d'Information et Management, Recherche et Applications en Marketing, International Journal of Retail and Distribution Management, International Journal of Production Research, European Journal of Operational Research, International Journal of Physical Distribution and Logistics Management, International Journal of Production Economics

Organization of a conference or a seminar

2021 - 2022   Organizing international conference, SKEMA Business School, France

PhD supervision

2024   V. CAPOCASALE, PhD thesis, Thesis Reviewer

2021   R. ALKHUDARY, Université Paris 2 Panthéon-Assas, PhD thesis, Thesis co-director

Other academic activities

2020   Expert evaluation of European Project, Innovation and Networks Executive Agency (INEA), Belgium

2020   Innovation and Networks Executive Agency (INEA), Innovation and Networks Executive Agency (INEA), Belgium

2018   Innovation and Networks Executive Agency (INEA), Innovation and Networks Executive Agency (INEA), Belgium