
PROFESSOR OF PRACTICE

Operations & Supply Chain Management

PIETRO.DEGIOVANNI@SDABOCCONI.IT

Biography

Pietro De Giovanni is a Professor of Practice in Operations and Supply Chain Management at SDA Bocconi School of Management.

Prior to his appointment at SDA Bocconi, he held academic positions at Luiss University (Rome, Italy), ESSEC Business School (Paris-Singapore), Vrije Universiteit (VU) Amsterdam (Amsterdam, the Netherlands), and NOVA School of Business and Economics (Lisbon, Portugal), where he was a Professor of Circular Economy, Sustainable Strategies, Operations, and Supply Chain Management. He has also held various academic positions, including Academic Director of the Master in Technology Project Management at ESSEC Business School with Telecom ParisTech, Scientific Coordinator of the Operations Management/Operations Research cluster at ESSEC, Academic Director of the MSc in Strategic Management at Luiss University, and Director of both the MS in Project Management and the Executive Program Flex Supply Chain at Luiss Business School. Additionally, he served as the Associate Dean for Sustainability at the Luiss-X.ITE Research Center.

Pietro's research and teaching interests encompass supply chain and operations management, as well as sustainable strategies and circular economy. He has published several papers in scientific journals, including Journal of Operations Management, European Journal of Operational Research, Transportation Research, Annals of Operations Research, International Journal of Production Economics, Journal of the OR Society, International Journal of Physical Distribution and Logistics Management, Dynamic Games and Applications, Journal of Environmental Management, and International Journal of Operations and Production Management.

Pietro holds a degree in Business Administration from Università della Calabria (UNICAL), a Master in Supply Chain Integrated Management from Università di Verona, a Master Phil in Business Administration from ESSEC Business School, a Doctorate in Business Administration from Università della Calabria (UNICAL), and a Ph.D. in Decision Management Sciences with a concentration in Operations and Supply Chain Management from ESSEC Business School. Currently, he serves as an Associate Editor of the following academic journals: International Transactions of Operations Research, 4OR Springer, and Annals of Operations Research.

Teaching domains

Circular Economy

Operations

Sustainable Supply Chain

Supply Chain Management

Service Operations

ARTICLES IN SCHOLARLY JOURNALS

DE GIOVANNI P., ZACCOUR G.

A survey of dynamic models of product quality

European Journal of Operational Research, 2023, vol.307, no. 3, pp.991-1007

VISHKAEI B. M., DE GIOVANNI P.

Rescheduling Multiproduct Delivery Planning With Digital Technologies for Smart Mobility and Sustainability Goals

IEEE Transactions on Engineering Management, 2023, pp.1-22

ROMAGNOLI S., TARABU' C., MALEKI VISHKAEI B., DE GIOVANNI P.

The Impact of Digital Technologies and Sustainable Practices on Circular Supply Chain Management

International Journal of Logistics Research and Applications, 2023, vol.7, no. 1

BISWAS D., JALALI H., ANSARIPOOR A. H., DE GIOVANNI P.

Traceability vs. sustainability in supply chains: The implications of blockchain

European Journal of Operational Research, 2023, vol.305, no. 1, pp.128-147

COZZOLINO A., DE GIOVANNI P.

Portfolios of sustainable practices for packaging in the circular economy: an analysis of Italian firms

The International Journal of Logistics Management, 2023, vol.34, no. 7, pp.24-49

DE GIOVANNI P., BELVEDERE V., GRANDO A.

The Selection of Industry 4.0 Technologies Through Bayesian Networks: An Operational Perspective

IEEE Transactions on Engineering Management, 2022, pp.1-16

SALANDRI L., CASCIO RIZZO G. L., COZZOLINO A., DE GIOVANNI P.

Green practices and operational performance: The moderating role of agility

Journal of Cleaner Production, 2022, vol.375, pp.134091

MORGANTI D., DE GIOVANNI P.

Offshoring motivations driven by sustainability factors

Research in Transportation Economics, 2022, vol.95, pp.101222

SAMMARCO G., RUZZA D., MALEKI VISHKAEI B., DE GIOVANNI P.

The Impact of Digital Technologies on Company Restoration Time Following the COVID-19 Pandemic

Sustainability, 2022, vol.14, no. 22, pp.1-17

REZAEE VESSAL S., DE GIOVANNI P., HASSANZADEH A.

Technology and service investments in the presence of feature fatigue and word-of-mouth

European Journal of Operational Research, 2022, vol.301, no. 3, pp.923-941

DE GIOVANNI P., ZACCOUR G.

A selective survey of game-theoretic models of closed-loop supply chains

Annals of Operations Research, 2022, vol.314, no. 1, pp.77-116

CARDINALI P. G., DE GIOVANNI P.

Responsible digitalization through digital technologies and green practices

Corporate Social Responsibility and Environmental Management, 2022, vol.29, no. 4, pp.984-995

NACLERIO A. G., DE GIOVANNI P.

Blockchain, logistics and omnichannel for last mile and performance

The International Journal of Logistics Management, 2022, vol.33, no. 2, pp.663-686

JALALI H., ANSARIPOOR A., RAMANI V., DE GIOVANNI P.

Closed-loop supply chain models with coopetition options

International Journal of Production Research, 2022, vol.60, no. 10, pp.3078-3106

DE GIOVANNI P.

Leveraging the circular economy with a closed-loop supply chain and a reverse omnichannel using blockchain technology and incentives

International Journal of Operations & Production Management, 2022, vol.42, no. 7, pp.959-994

DE GIOVANNI P., CARIOLA A.

Process innovation through industry 4.0 technologies, lean practices and green supply chains

Research in Transportation Economics, 2021, vol.90, pp.100869

SISTA E., DE GIOVANNI P.

Scaling Up Smart City Logistics Projects: The Case of the Smooth Project

Smart Cities, 2021, vol.4, no. 4, pp.1337-1365

DE GIOVANNI P.

A dynamic supply chain game with vertical coordination and horizontal competition

International Transactions in Operational Research, 2021, vol.28, no. 6, pp.3117-3146

TRABUCCO M., DE GIOVANNI P.

Achieving Resilience and Business Sustainability during COVID-19: The Role of Lean Supply Chain Practices and Digitalization

Sustainability, 2021, vol.13, no. 22, pp.12369

VISHKAEI B. M., FATHI M., KHAKIFIROOZ M., DE GIOVANNI P.

Bi-objective optimization for customers' satisfaction improvement in a Public Bicycle Sharing System

Computers & Industrial Engineering (CAIE), 2021, vol.161, pp.107587

DE GIOVANNI P.

Smart Supply Chains with vendor managed inventory, coordination, and environmental performance

European Journal of Operational Research, 2021, vol.292, no. 2, pp.515-531

GENC T. S., DE GIOVANNI P.

Dynamic pricing and green investments under conscious, emotional, and rational consumers

Cleaner and Responsible Consumption, 2021, vol.2, pp.100007

CESARETTO R., BURATTO A., DE GIOVANNI P.

Mitigating the feature fatigue effect for smart products through digital servitization

Computers & Industrial Engineering (CAIE), 2021, vol.156, pp.107218

DE GIOVANNI P.

Recursive Effects to Study Feature-Based Capabilities in Supply Chain Management

International Journal of Logistics Research and Applications, 2020, vol.4, no. 4, pp.1-28

JALALI H., ANSARIPOOR A. H., DE GIOVANNI P.

Closed-loop supply chains with complementary products

International Journal of Production Economics, 2020, vol.229, pp.107757

MARANESI C., DE GIOVANNI P.

Modern Circular Economy: Corporate Strategy, Supply Chain, and Industrial Symbiosis

Sustainability, 2020, vol.12, no. 22, pp.9383

DE GIOVANNI P.

Blockchain and smart contracts in supply chain management: A game theoretic model

International Journal of Production Economics, 2020, vol.228, pp.107855

DE GIOVANNI P.

An optimal control model with defective products and goodwill damages

Annals of Operations Research, 2020, vol.289, no. 2, pp.419-430

SARMAH A., DE GIOVANNI D., DE GIOVANNI P.

Compulsory licenses in the pharmaceutical industry: Pricing and R&D strategies

European Journal of Operational Research, 2020, vol.282, no. 3, pp.1053-1069

GENC T. S., DE GIOVANNI P.

Closed-loop supply chain games with innovation-led lean programs and sustainability

International Journal of Production Economics, 2020, vol.219, pp.440-456

BURATTO A., CESARETTO R., DE GIOVANNI P.

Consignment contracts with cooperative programs and price discount mechanisms in a dynamic supply chain

International Journal of Production Economics, 2019, vol.218, pp.72-82

DE GIOVANNI P.

Digital Supply Chain through Dynamic Inventory and Smart Contracts

Mathematics, 2019, vol.7, no. 12, pp.1235-1255

LIU B., DE GIOVANNI P.

Green process innovation through Industry 4.0 technologies and supply chain coordination

Annals of Operations Research, 2019

DE GIOVANNI P.

When feature-based production capabilities challenge operations

International Journal of Operations & Production Management, 2019, vol.40, no. 2, pp.221-242

EL HACHEM W., DE GIOVANNI P.

Accelerating the transition to alternative fuel vehicles through a Distributive Justice perspective

Transportation Research Part D: Transport and Environment, 2019, vol.75, pp.72-86

DE GIOVANNI P., ZACCOUR G.

Optimal quality improvements and pricing strategies with active and passive product returns

Omega - International Management Journal, 2019, vol.88, pp.248-262

DE GIOVANNI P.

A feature fatigue supply chain game with cooperative programs and ad-hoc facilitators

International Journal of Production Research, 2019, vol.57, no. 13, pp.4166-4186

DE GIOVANNI P., ZACCOUR G.

A selective survey of game-theoretic models of closed-loop supply chains

4OR - A Quarterly Journal of Operations Research, 2019, vol.17, no. 1, pp.1-44

SACCO A., DE GIOVANNI P.

Channel coordination with a manufacturer controlling the price and the effect of competition

Journal of Business Research, 2019, vol.96, pp.97-114

DUHAYLONGSOD J. B., DE GIOVANNI P.

The impact of innovation strategies on the relationship between supplier integration and operational performance

International Journal of Physical Distribution & Logistics Management, 2019, vol.49, no. 2, pp.156-177

DE GIOVANNI P., KARRAY S., MARTÍN-HERRÁN G.

Vendor Management Inventory with consignment contracts and the benefits of cooperative advertising

European Journal of Operational Research, 2019, vol.272, no. 2, pp.465-480

GENC T. S., DE GIOVANNI P.

Optimal return and rebate mechanism in a closed-loop supply chain game

European Journal of Operational Research, 2018, vol.269, no. 2, pp.661-681

DE GIOVANNI P.

A joint maximization incentive in closed-loop supply chains with competing retailers: The case of spent-battery recycling

European Journal of Operational Research, 2018, vol.268, no. 1, pp.128-147

PREEKER T., DE GIOVANNI P.

Coordinating innovation projects with high tech suppliers through contracts

Research Policy, 2018, vol.47, no. 6, pp.1161-1172

DE GIOVANNI P., RAMANI V.

Product cannibalization and the effect of a service strategy

Journal of the Operational Research Society, 2018, vol.69, no. 3, pp.340-357

RAMANI V., DE GIOVANNI P.

A two-period model of product cannibalization in an atypical Closed-loop Supply Chain with endogenous returns: The case of DellReconnect

European Journal of Operational Research, 2017, vol.262, no. 3, pp.1009-1027

DE GIOVANNI P.

Closed-loop supply chain coordination through incentives with asymmetric information

Annals of Operations Research, 2017, vol.253, no. 1, pp.133-167

GENC T. S., DE GIOVANNI P.

Trade-in and save: A two-period closed-loop supply chain game with price and technology dependent returns

International Journal of Production Economics, 2017, vol.183, pp.514-527

COLICEV A., DE GIOVANNI P., VINZI V. E.

An empirical investigation of the antecedents of partnering capability

International Journal of Production Economics, 2016, vol.178, pp.144-153

DE GIOVANNI P.

Coordination in a distribution channel with decisions on the nature of incentives and share-dependency on pricing

Journal of the Operational Research Society, 2016, vol.67, no. 8, pp.1034-1049

DE GIOVANNI P., REDDY P. V., ZACCOUR G.

Incentive strategies for an optimal recovery program in a closed-loop supply chain

European Journal of Operational Research, 2016, vol.249, no. 2, pp.605-617

DE GIOVANNI P.

State- and Control-Dependent Incentives in a Closed-Loop Supply Chain with Dynamic Returns

Dynamic Games and Applications, 2016, vol.6, no. 1, pp.20-54

SLUIS S., DE GIOVANNI P.

The selection of contracts in supply chains: An empirical analysis

Journal of Operations Management, 2016, vol.41, no. 1, pp.1-11

DE GIOVANNI P., ESPOSITO VINZI V.

The benefits of a monitoring strategy for firms subject to the Emissions Trading System

Transportation Research Part D: Transport and Environment, 2014, vol.33, pp.220-233

GOTSCHOL A., DE GIOVANNI P., ESPOSITO VINZI V.

Is environmental management an economically sustainable business?

Journal of Environmental Management, 2014, vol.144, pp.73-82

DE GIOVANNI P.

Environmental collaboration in a closed-loop supply chain with a reverse revenue sharing contract

Annals of Operations Research, 2014, vol.220, no. 1, pp.135-157

DE GIOVANNI P., ZACCOUR G.

A two-period game of a closed-loop supply chain

European Journal of Operational Research, 2014, vol.232, no. 1, pp.22-40

DE GIOVANNI P., ESPOSITO VINZI V.

The benefits of the emissions trading mechanism for Italian firms: a multi-group analysis

International Journal of Physical Distribution & Logistics Management, 2014, vol.44, no. 4, pp.305-324

DE GIOVANNI P., CARIOLA A., PASSARELLI M.

Recent developments on Reactivity: Theoretical conceptualization and empirical verification

European Journal of Operational Research, 2013, vol.231, no. 3, pp.690-701

DE GIOVANNI P., ROSELLI M.

Overcoming the drawbacks of a revenue-sharing contract through a support program

Annals of Operations Research, 2012, vol.196, no. 1, pp.201-222

DE GIOVANNI P., ESPOSITO VINZI V.

Covariance versus component-based estimations of performance in green supply chain management

International Journal of Production Economics, 2012, vol.135, no. 2, pp.907-916

DE GIOVANNI P.

Do internal and external environmental management contribute to the triple bottom line?

International Journal of Operations & Production Management, 2012, vol.32, no. 3, pp.265-290

DE GIOVANNI P.

Quality improvement vs. advertising support: Which strategy works better for a manufacturer?

European Journal of Operational Research, 2011, vol.208, no. 2, pp.119-130

RESEARCH MONOGRAPHS

DE GIOVANNI P., FOLGIERO P.

Strategies for the circular economy. Circular districts and networks

Routledge, London, Great Britain, 2023

DE GIOVANNI P.

Supply Chain Coordination: A Multi-Sector Comparative Case Study Analysis

Aracne Editrice, Roma, Italy, 2016

DE GIOVANNI P.

The Operationalization of Reactivity: Qualitative Investigation and Empirical Analysis

Aracne Editrice, Roma, Italy, 2016

CONTRIBUTION TO CHAPTERS, BOOKS OR RESEARCH MONOGRAPHS

DE GIOVANNI P.

Circular Economy in the Textile Industry in *Cases on Circular Economy in Practice*

Pietro De Giovanni(Ed), IGI Global, chap. 9, pp.180-207, 2022

DE GIOVANNI P.

The Waste Cascade in Dell Reconnect With a Focus on Plastic Packaging in *Cases on Circular Economy in Practice*

Pietro De Giovanni(Ed), IGI Global, chap. 10, pp.208-237, 2022

ZUGARO R., DE GIOVANNI P.

Application of Blockchain in the Saffron Industry in *Blockchain Technology Applications in Businesses and Organizations*

Pietro De Giovanni (Eds),IGI Global, chap. 5, pp.99-118, 2022

PRENCIPE M. P., MALEKI VISHKAEI B., DE GIOVANNI P.

Blockchain Adoption in the Winery Industry in *Blockchain Technology Applications in Businesses and Organizations*

Pietro De Giovanni (Eds),IGI Global, chap. 3, pp.43-72, 2022

ARANGIARO V., VISHKAEI B. M., DE GIOVANNI P.

Blockchain for Circular Economy in the Furniture Sector in *Cases on Circular Economy in Practice*

Pietro De Giovanni (Eds),IGI Global, chap. 11, pp.238-275, 2022

MALONGA BIBILA A. V., DE GIOVANNI P.

How ENI Can Improve Procurement Through Blockchain Technology in *Blockchain Technology Applications in Businesses and Organizations*

Pietro De Giovanni (Eds), IGI Global, chap. 8, pp.162-187, 2022

RUZZA D., BERNASCONI G., DE GIOVANNI P.

How Genuino Applies Blockchain Technology in the Collectibles Industry in *Blockchain Technology Applications in Businesses and Organizations*

Pietro De Giovanni (Eds), IGI Global, chap. 1, pp.1-18, 2022

DE GIOVANNI P., GENÇ T. S.

Coordination in Closed-Loop Supply Chain with Price-Dependent Returns in *Games in Management Science*

Pierre-Olivier Pineau, Simon Sigué, Sihem Taboubi (Eds), Springer International Publishing, pp.87-113, 2020

DE GIOVANNI P., TRAMONTANA F.

A Discrete Model of Conformance Quality and Advertising in Supply Chains in *Advances in Dynamic and Mean Field Games*

Joseph Apaloo, Bruno Viscolani (Eds), Springer International Publishing, pp.199-216, 2017

DE GIOVANNI P., ZACCOUR G.

Cost-Revenue Sharing in a Closed-Loop Supply Chain in *Advances in Dynamic Games*

Pierre Cardaliaguet, Ross Cressman (Eds), Birkhäuser, pp.395-421, 2013

DE GIOVANNI P.

Should a Retailer Support a Quality Improvements Strategy? in *Advances in Dynamic Games*

Vlastimil Křivan, Georges Zaccour (Ed), Springer International Publishing, pp.125-148, 2013

Grants & Honors

2% Top Scientist in the World, Elsevier BV, Stanford University, 2022
