

Pietro De Giovanni

PROFESSOR OF PRACTICE

Operations & Supply Chain Management

PIETRO.DEGIOVANNI@SDABOCCONI.IT

Biografia

Pietro De Giovanni è un Professor of Practice in Operations and Supply Chain Management presso la SDA Bocconi School of Management.

Prima di essere nominato alla SDA Bocconi, ha ricoperto posizioni accademiche presso l'Università Luiss (Roma, Italia), la ESSEC Business School (Parigi-Singapore), la Vrije Universiteit (VU) Amsterdam (Amsterdam, Paesi Bassi) e la NOVA School of Business and Economics (Lisbona, Portogallo), dove è stato professore di Economia Circolare, Strategie Sostenibili, Operations e Supply Chain Management. Pietro ha anche ricoperto varie posizioni accademiche, tra cui quella di Direttore Accademico del Master in Technology Project Management presso la ESSEC Business School con Telecom ParisTech, coordinatore scientifico del cluster Operations Management / Operations Research presso la ESSEC, Direttore Accademico del MSc in Strategic Management presso l'Università Luiss e Direttore sia del MS in Project Management che dell'Executive Program Flex Supply Chain presso la Luiss Business School. Inoltre, ha ricoperto il ruolo di Associate Dean per la Sostenibilità presso il Luiss-X.ITE Research Center. In SDA Bocconi, Pietro è il Direttore del programma “Il life-cycle assessment come strumento di sostenibilità” e co-direttore del Sustainable Operations and Supply Chain Monitor.

Gli interessi di ricerca e insegnamento di Pietro riguardano la gestione della supply chain e delle operations, nonché le strategie sostenibili e l'economia circolare. Ha pubblicato diversi articoli in riviste scientifiche, tra cui 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 e International Journal of Operations and Production Management.

Pietro è laureato in Business Administration presso l'Università della Calabria (UNICAL), ha conseguito un Master in Supply Chain Integrated Management presso l'Università di Verona, un Master Phil in Business Administration presso la ESSEC Business School, un Dottorato in Business Administration presso l'Università della Calabria (UNICAL) e un Ph.D. in Decision Management Sciences con una specializzazione in Operations e Supply Chain Management presso la ESSEC Business School. Attualmente, Pietro ricopre il ruolo di Associate Editor delle seguenti riviste accademiche: International Transactions of Operations Research, 4OR Springer e Annals of Operations Research.

Ambito di insegnamento

Circular Economy

ARTICOLI SU RIVISTA SCIENTIFICA

MALEKI VISHKAEI B., DE GIOVANNI P.

A smart mobility game with blockchain and hardware oracles

International Journal of Production Economics, 2025, vol.282, pp.109533

MALEKI VISHKAEI B., DE GIOVANNI P.

Smart food-sharing platforms for social sustainability: a heuristic algorithm approach

International Transactions in Operational Research, 2024

VISHKAEI B. M., DE GIOVANNI P.

L'impatto sulle performance aziendali. Il business sostenibile migliora la resilienza - Sustainability and Business Performance. Building Resilience with GRI Practices

Economia & Management, 2024, no. 3, pp.16-24

LINDSTRÖM C. W. J., VISHKAEI B. M., DE GIOVANNI P.

Subscription-based business models in the context of tech firms: theory and applications

International Journal of Industrial Engineering and Operations Management , 2024, vol.6, no. 3, pp.256-274

DE GIOVANNI P.

The modern meaning of “quality”: analysis, evolution and strategies

The TQM Journal, 2024, vol.36, no. 9, pp.309-327

VISHKAEI B. M., DE GIOVANNI P.

The Impact of Business Continuity on Supply Chain Practices and Resilience Due to COVID-19

International Journal of Logistics Research and Applications, 2024, vol.8, no. 2, pp.41

VISHKAEI B. M., DE GIOVANNI P.

Bayesian network methodology and machine learning approach: an application on the impact of digital technologies on logistics service quality

International Journal of Physical Distribution & Logistics Management, 2024, vol.54, no. 7/8, pp.755-774

DE GIOVANNI P., RAMANI V.

A Selected Survey of Game Theory Models with Government Schemes to Support Circular Economy Systems

Sustainability, 2024, vol.16, no. 1, pp.136

URREA N. T., VISHKAEI B. M., DE GIOVANNI P.

Operational Risk Management in E-Commerce: A Platform Perspective

IEEE Transactions on Engineering Management, 2024, vol.71, pp.3807-3819

VISHKAEI B. M., DE GIOVANNI P.

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

IEEE Transactions on Engineering Management, 2024, vol.71, pp.7173-7194

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, 2024, vol.71, pp.2921-2936

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

VOLPENTESTA T., SPAHIU E., DE GIOVANNI P.

A survey on incumbent digital transformation: a paradoxical perspective and research agenda

European Journal of Innovation Management, 2023, vol.26, no. 7, pp.478-501

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

DE GIOVANNI P.

Sustainability of the Metaverse: A Transition to Industry 5.0

Sustainability, 2023, vol.15, no. 7, pp.6079

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

ROMAGNOLI S., TARABU¹ 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

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.15266

REZAEI 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.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

DE GIOVANNI P.

When feature-based production capabilities challenge operations

International Journal of Operations & Production Management, 2020, vol.40, no. 2, pp.221-242

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

DE GIOVANNI P.

Eco-digital Supply Chains through Blockchains

International Journal of Business & Management Studies (IJBMS), 2019, vol.6, no. 2, pp.39–44

LIU B., DE GIOVANNI P.

Green process innovation through Industry 4.0 technologies and supply chain coordination

Annals of Operations Research, 2019

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, 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

DE GIOVANNI P.

The impact of knowledge tasks and roles on firm success and performance: a structural model

International Journal of Knowledge Management Studies, 2010, vol.4, no. 3, pp.265-280

DE GIOVANNI P.

The state of the art in static and dynamic games

The European Business Review, 2009, vol.21, no. 6, pp.547-566

ELOUARDIGHI F., DE GIOVANNI P., TARONDEAU J.

The French experience of supply chain management - L'expérience française du supply chain management

Revue Française de Gestion, 2008, vol.186, no. 6, pp.89-116

MONOGRAFIE O TRATTATI SCIENTIFICI

DE GIOVANNI P., FOLGIERO P.

Strategies for the circular economy. Circular districts and networks

Routledge, London, Gran Bretagna, 2023

DE GIOVANNI P.

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

Aracne Editrice, Roma, Italia, 2016

DE GIOVANNI P.

The Operationalization of Reactivity: Qualitative Investigation and Empirical Analysis

Aracne Editrice, Roma, Italia, 2016

MONOGRAFIE AD ALTA DIVULGAZIONE

DE GIOVANNI P.

Strategie di resilienza in operations management. Casi aziendali ed esperienze di eccellenza

Egea, Milano, Italia, 2025

CONTRIBUTI IN VOLUME, CAPITOLI O SAGGI SCIENTIFICI

DE GIOVANNI P.

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

Pietro De Giovanni (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), 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 (a cura di), Birkhäuser, pp.395–421, 2013

DE GIOVANNI P.

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

Vlastimil Krivan, Georges Zaccour (a cura di), Springer International Publishing, pp.125–148, 2013

ARTICOLI SU QUOTIDIANI NAZIONALI/INTERNAZIONALI

DE GIOVANNI P.

La logistica diventa un acceleratore di sviluppo sociale

Libero, 23 Ottobre, 2024

PROCEEDINGS/PRESENTATIONS

VISHKAEI B. M., DE GIOVANNI P.

Refilling glass bottles as a circular economy practice: a game theory model

EURAM 2024 - European Academy of Management Conference, June 24-28 2024, Bath, Gran Bretagna

RUZZA D., DE GIOVANNI P., VISHKAEI B. M.

Unlocking the blockchain potentials through oracles: Empirical evidence on supply chain challenges and performance

Sinergie-SIMA Management Conference 2023, 29-30 June, 2023, Bari, Italia

HACHEM W. E., DE GIOVANNI P.

Transition to alternative fuel vehicles: a distributive justice perspective

2018 Winter Simulation Conference (WSC) - 9-12 December, 2018, Gothenburg, Svezia

DE GIOVANNI P.

A Differential Game for Supply Chain Collaboration on Knowledge Accumulation and Management

Proceedings of the 10th European Conference on Knowledge Management, Università degli Studi di Padova, 3-4 September, 2009, Vicenza, Italia

Grants & Premi

2% Top Scientist in the World, Elsevier BV – Stanford University , 2023

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