RICCARDO MANGIARACINA

Associate Professor of Logistics and Supply Chain Management
Department of Management, Economics and Industrial Engineering
Politecnico di Milano
20156 – Milan, Italy
[redacted]

EDUCATION

May 2007
Milan, Italy
PhD in *Management, Economics and Industrial Engineering*, **Politecnico di Milano**
Final Dissertation: *"eSupply Chain in Italy: an overview of the main solutions and a model to assess the impacts of VMI (Vendor Managed Inventory)"*

February 2003
Milan, Italy
Master of Science in *Management, Economics and Industrial Engineering*, **Politecnico di Milano**
Final Dissertation: *"Centralised and Decentralised inventory systems in the FMCG sector: models and case studies"*

RESEARCH AND EDUCATION AT FOREIGN UNIVERSITIES

November 2019
Cambridge, MA, USA
Visiting Professor, **Massachusetts Institute of Technology (MIT)**

August – December 2005
London, UK
Visiting PhD Researcher, **London Business School**

INSTITUTIONAL ROLES AND MEMBERSHIPS

2016– present Director of the International-Flex Executive MBA, **MIP Politecnico di Milano School of Management**
2018 Member of the Board**, MIP Politecnico di Milano School of Management**
2018-present Member of the PhD Board - PhD in Data Analytics and Decision Sciences, **Politecnico di Milano**
2003 – present **Member** of AIDI – Italian Association of Industrial Plants Professors and Researchers

ACADEMIC POSITIONS

2017? – present Associate Professor, **Politecnico di Milano**
2008 – 2017 Assistant Professor, **Politecnico di Milano**
2007 – 2008 Postdoctoral Researcher, **Politecnico di Milano**

TEACHING EXPERIENCE

2017 – present Chair of the Course "**Management of Logistics and Production Systems**", Bsc in Management Engineering, **Politecnico di Milano**
2016; 2019– present Chair of the Course "**Digital Business Innovation**", Msc in Management Engineering, **Politecnico di Milano**
2008 - 2015 Chair of the Course "**Industrial Plants**", Bsc in Mechanical Engineering, **Politecnico di Milano**
2008 – present Lecturer of the Course "**Logistics Management**", Msc in Management Engineering, **Politecnico di Milano**
2008 – present Lecturer and Director of several courses at the Master, MBA and Executive level**, MIP Politecnico di Milano School of Management**
2008 – 2011 Lecturer of the Course **"Industrial Plants",** Msc in Mechanical Engineering, **Politecnico di Milano**
2009 – 2011 Lecturer of the Course **"eOperations",** Msc in Management Engineering, **Politecnico di Milano**

EXTERNAL ACADEMIC SERVICE

2020-21 **Member of the Scientific Committee of the European Research Seminar (ERS):** The European Research Seminar (ERS) on Logistics and SCM is a global conference with a European background. It is an interactive conference, which centers on intensive discussion of top-quality research and new developments among all participants. The 16th edition of the Conference will be held in Milan in 2021

2020 **Guest Editor** for the Special Issue on "Sustainable Food Delivery", of Sustainability Switzerland

2007– present **Reviewer** for several peer-reviewed international journals in the logistics and supply chain management field (e.g. International Journal of Physical Distribution and Logistics Management, International Journal of Logistics Systems and Management)

RESEARCH EXPERIENCE

2003 – present
Milan, Italy

Digital Innovation Observatories – Politecnico di Milano School of Management
Research Director and Coordinator of the following Research Observatories:
B2c eCommerce (since 2003): The Observatory aims to create and spread knowledge on the opportunities and impact that B2c eCommerce produces on companies and the governments. The goal of the Research is to support practitioners in understanding current dynamics and defining strategies to preside over online channels.
Digital B2b (since 2003): The Observatory aims to demonstrate the value of digital invoicing and digital B2B processes, in order to drive the Italian national economic system towards a more meaningful and mature digitalisation. The Observatory also constantly monitors legislation regarding Electronic invoicing, digital storage, document dematerialization and process digitization in Italy and Europe
Digital Export (since 2015): The Observatory aims to investigate how Italian exports can be boosted through the use of digital technologies, identifying effective cross border eCommerce strategies. Over the years, the Observatory has proposed specific geographical focuses on interesting international markets (e.g. Germany, UK, China, USA, Russia, India, Middle-East) and on important pillars of a digital export strategy (e.g. digital marketing, cross border logistics, payments, legal issues, organizational aspects)

2018 – present
Milan, Italy

B2c Logistics Center – Politecnico di Milano School of Management
Co-Director of a Research Group that is active in the field of logistics supporting B2c e-commerce and omnichannel strategies. The Research focuses on several logistics topics such as the design of distribution network, storage, picking and handling systems in the e-commerce field, as well as innovations and environmental sustainability issues in the last mile delivery

The activities of the Digital Innovation Observatories and the B2c Logistics Center are practice oriented and financed by both companies and institutions/governments. Annual conferences, webinars and workshops are organised to spread the results of the research. These research activities receive wide coverage by national media and have become, over the years, a reference point for industry players and decision makers.

COLLABORATIONS WITH COMPANIES AND INSTITUTIONS

2003 – present

Participation in or coordination of many research and consultancy projects sponsored by major Italian and international players. The projects were focused on logistics management and/or digital innovation challenges. Examples of companies or institutions commissioning the projects include:

- CONAI (Italian consortium of producers and users of packaging Solutions)
- Kasanova (Italian retailer of crockery, cutlery, kitchenware, small household appliances)
- Mondelez International (Multinational snacks producer)
- Pirelli (Major producer of tyres and associated services)
- Poste Italiane (Italian Postal Service)
- Promos Italia (Agency supporting the Italian Chambers of Commerce system)
- The Italian Trade Agency
- Unioncamere Lombardia (Chambers of Commerce of the Lombardy Region)

SUMMARY AND STATISTICS OF SCIENTIFIC PUBLICATIONS

Main research interests:

- Logistics and supply chain management
- B2c eCommerce
- B2b collaboration

Publication Statistics

- **SCOPUS DATABASE (as of 04 jan 21):** 41 documents, 567 citations from 493 documents, h-index: 13

AWARDS AND RECOGNITIONS

- **2018: Best Paper Award** for the publication “The Italian fashion supply chain: A model to identify the suitable technology between Fashion Houses and Third Parties Laboratories", presented at the Summer School Francesco Turco, organized by the Italian Associations of Industrial Plants Professors and Researchers

LIST OF SELECTED PUBLICATIONS

Scientific publications – Selected recent journal articles

- Seghezzi, A., **Mangiaracina, R**., Tumino, A., Perego, A. (**2020**) "Pony express crowdsourcing logistics for last-mile delivery in B2C e-commerce: an economic analysis", International Journal of Logistics Research and Applications, In press.
- Siragusa, C., Tumino, A., Mangiaracina, R., Perego, A. (**2020**) " Electric vehicles performing last-mile delivery in B2C e-commerce: An economic and environmental assessment", International Journal of Sustainable Transportation, In press.
- Giuffrida, M., and **Mangiaracina, R.** (**2020**) "Green Practices for Global Supply Chains in Diverse Industrial, Geographical, and Technological Settings: A Literature Review and Research Agenda", Sustainability, Vol. 12, No. 23, 10151.
- Seghezzi, A., and **Mangiaracina, R**. (**2020**) "On-demand food delivery: investigating the economic performances", International Journal of Retail and Distribution Management
- Jocevski M., Arvidsson N., Miragliotta G., Ghezzi A., **Mangiaracina R**. (**2019**), "Transitions towards omni-channel retailing strategies: a business model perspective", International Journal of Retail and Distribution Management, Vol. 47, pp. 78 – 93.
- **Mangiaracina R**., Perego A., Seghezzi A., Tumino A., (**2019**) "Innovative solutions to increase last-mile delivery efficiency in B2C e-commerce: a literature review", International Journal of Physical Distribution and Logistics Management, Vol. 49, pp. 901 - 920
- Giuffrida, M., **Mangiaracina, R**., Perego, A., Tumino, A. (**2019**) " Cross-border B2C e-commerce to China: an evaluation of different logistics solutions under uncertainty", Int. Journal of Physical Distribution & Logistics Management, Vol.50, No.3, pp. 355-378.
- Giuffrida, M., **Mangiaracina, R**., Miragliotta, G., Perotti, S., and Tumino, A. (**2019**). "Modelling the environmental impact of omni-channel purchasing in the apparel industry: the role of logistics", International Journal of Logistics Systems and Management, Vol. 34 No. 4, pp. 431-456.
- Giuffrida, M., **Mangiaracina, R**., Perego, A., Tumino, A. (**2017**) "Cross-border B2C e-commerce to Greater China and the role of logistics: a literature review", Int. Journal of Physical Distribution & Logistics Management, Vol. 47 No. 9, pp.772-795.
- **Mangiaracina R**., Perego A., Salvadori G., Tumino A. (**2017**) "A comprehensive view of intelligent transport systems for urban smart mobility", International Journal of Logistics Research and Applications, Vol. 20, pp. 39 – 52
- Gelsomino L.M., **Mangiaracina, R**., Perego, A., Tumino, A. (**2016**) "Supply chain finance: a literature review", International Journal of Physical Distribution and Logistics Management, Vol. 46, pp. 348 – 366
- **Mangiaracina R**., Perego, A., Perotti, S., Tumino, A. (**2016**) "Assessing the environmental impact of logistics in online and offline B2C purchasing processes in the apparel industry", International Journal of Logistics Systems and Management, Vol. 23, No.1, pp. 98-124.
- **Mangiaracina, R**., Marchet, G., Perotti, S., Tumino, A. (**2015**) "A review of the environmental implications of B2C e-commerce: a logistics perspective", Int. Journal of Physical Distribution & Logistics Management, Volume 45, No. 6, pp. 565-591
- **Mangiaracina, R**., Song, G., Perego, A., (**2015**) "Distribution network design: A literature review and a research agenda", International Journal of Physical Distribution and Logistics Management, Vol. 45, No. 5, pp. 506-531.

Scientific publications – Selected <u>recent</u> conference proceedings and book chapters

- Giuffrida M., **Mangiaracina, R.,** Perego, A. (**2020**) "Investigating cross border logistics practices in emerging markets: the case of South East Asia" Proceedings of the Summer School Francesco Turco, Bergamo, 9-11 Sept 2020.
- Giuffrida M., **Mangiaracina, R.,** Perego, A. (**2019**) "Analysing the impact of logistics on cross border investments to China" Proceedings of the Summer School Francesco Turco, Brescia, 11-13 Sept 2019.
- Giuffrida M., **Mangiaracina, R.,** Perego, A. (**2019**) "International logistics strategies in the digital era: a focus on SMEs" Proceedings of the Summer School Francesco Turco, Brescia, 11-13 Sept 2019.
- Giuffrida, M., **Mangiaracina, R.,** Perego, A., Tumino, A. (**2018**) "Entering China via cross border e-commerce: logistics solutions and related challenges" Proceedings of the Summer School Francesco Turco, Palermo, 12-14 Sept 2018, pp. 334-340.
- Loro C., **Mangiaracina R.,** Perego A., Tumino A., "The Italian fashion supply chain: A model to identify the suitable technology between Fashion Houses and Third Parties Laboratories", Proceedings of the Summer School Francesco Turco, 2018, 206 - 213
- Giuffrida, M., **Mangiaracina, R.,** Perego, A. (**2017**) " Online internationalization in the fashion industry: a framework to support trade and logistics channels selection", Proceedings of the 43rd Annual Conference of the European International Business Academy "International Business in the Information Age", Milan, 14-16 Dec 2017.
- **Mangiaracina, R**., Miragliotta, G., Perego, A., Salvadori, G., Tumino, A. (**2017**), "Smart Parking management in a Smart City: costs and benefits", Proceedings - 2017 IEEE International Conference on Service Operations and Logistics, and Informatics, Bari, 18-20 Sep 2018, 27-32.
- Giuffrida, M., **Mangiaracina, R.,** Perego, A., Tumino, A. (**2017**) "Logistics solutions to support cross border e-commerce towards China: The case of the apparel industry", Lecture Notes in Electrical Engineering, Vol. 413, pp. 163-177.
- Giuffrida, M., **Mangiaracina, R**., Perego, A., Tumino, A. (**2017**) "Profitability of different click and collect models in e-grocery: A logistics perspective", Proceedings of the Summer School Francesco Turco, Palermo, 13-15 Sept 2017, pp. 334-340.
- Giuffrida, M., **Mangiaracina, R**., Perego, A., Tumino, A. (**2016**) "Home delivery vs parcel lockers: An economic and environmental assessment", Proceedings of the Summer School Francesco Turco, Naples, 13-15-Sept 2016, pp. 225-230.

Selected <u>recent</u> practitioner reports

- "eCommerce B2c: la chiave per ripartire" (**2020**). Research Report of the B2c eCommerce Observatory, ed. 2020
- "Digitalizzare per (r)esistere" (**2020**). Research Report of the Digital B2b Observatory, ed. 2019-20
- "Export digitale: è tempo di innovare!" (**2020**). Research Report of the Digital Export Observatory, ed. 2019-20
- "Export digitale, quanta strada c'è da fare!" (**2019**). Research Report of the Digital Export Observatory, ed. 2018-19
- "Esportazioni e e-commerce delle imprese italiane. Analisi e prospettive" (**2018**) Report for the Italian Trade Agency
- "Export digitale, a ciascuno il suo canale!" (**2018**). Research Report of the Digital Export Observatory, ed. 2017-18
- "Export digitale: una sfida, tante opportunità" (**2017**). Research Report of the Digital Export Observatory, ed. 2016-17
- "Export e digitale: un binomio niente male!" (**2016**). Research Report of the Digital Export Observatory, ed. 2015-16

I authorize the use of personal data listed above according to Decreto Legislativo 30 Giugno 2003, n.196 and GDPR (EU Regulation 2016/679)