

## PERSONAL INFORMATION



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Sex M | Date of birth 09/03/1982 | Nationality Italian

## Associate professor of Business and Management Engineering

## WORK EXPERIENCE

Oct. 2018 -

### Associate professor of Business and Management Engineering

Department of Information Engineering and Mathematics, University of Siena

- Professor of the courses of 'Economics and Organization', 'Managerial Economics', 'Business Management'.
- Rector's Delegate for Life Long Learning (2022 – 2028).
- Delegate of the department for the placement (2018 - 2022).
- Member of the Quality Assurance Committee of the University (2022).
- Member of the teaching committee of the M.Sc. in Engineering Management (2018 – 2021).
- Director of the post-graduate course "Social communication for the digital PA", funded by INPS – grants: "VALORE PA 2022"; "VALORE PA 2021".
- Director of the post-graduate course "Strategic management of human resources for the empowerment of public administration personnel", funded by INPS – grant: "VALORE PA 2021".
- Director of the post-graduate course "Europlanning and formulation of innovative projects for the Public Administration towards sustainable development and ecological transition", funded by INPS – grants: "VALORE PA 2022"; "VALORE PA 2021".
- Co-Director and Academic coordinator of the post-graduate course "BPMN for mapping the public administration: modelling, planning, business process reengineering", funded by INPS – grants: "VALORE PA 2020"; "VALORE PA 2019", total grant support: 40,000€.
- Grant support from private companies: 25,000€.

Business or sector Research and training

April 2019 -

### Member of the doctoral faculty of the PhD school of Industrial and Management Engineering

University of Rome "La Sapienza"

Dec. 2017 – Sep. 2018

### Associate professor of Business and Management Engineering

University of Udine

- Professor of the course of Management of Complex Systems

### Deputy Director of Master of Arts in "Human Resource Management"

University of Rome Tor Vergata

- Deputy director of the Master

- Professor of the course of Marketing

- Professor of the course of Business process management

### Assistant professor of Business and Management Engineering

University of Rome Tor Vergata

- Professor of the course of Engineering Economics

- Grant support, OVS spa, 'Development of tools for demand forecasting in the fashion industry', 200,000€

Ago. 2015 – Nov. 2017

### Research Fellow of Business and Management Engineering

Jun. 2010 – Mar. 2015

University of Rome Tor Vergata

- Member of the University Committee on Management control.
- Scientific consultant of the project "The mapping of administrative processes using BPMN".
- Lecturer of the course of Engineering Economics and Microeconomics

Apr. 2009 - Jun. 2010 **Technology Promoter for Innovation**

ACTsolutions srl

- Principal Investigator of the research project: "Statistical software for forecasting", funded by District of Rome, Grant on "Technology Promoters for Innovation – Statistical software for forecasting".

Mar. – Oct. 2008 **Research scholar,, Tutor: Prof. Paul W. Wilson**

The John E. Walker Department of Economics, Clemson University, SC, USA.

#### EDUCATION AND TRAINING

2005 – 2008	<b>Ph.D. in Business and Management Engineering</b>	EQF level 8
	University of Rome Tor Vergata	
2005 - 2006	<b>M.B.A. in Enterprise Organization and Management</b>	EQF level 7
	University of Rome Tor Vergata	
2003 - 2005	<b>M.Sc. in Management Engineering</b>	EQF level 7
	University of Rome Tor Vergata	
2000 - 2003	<b>Bachelor's degree in Management Engineering</b>	EQF level 6
	University of Rome Tor Vergata	

#### PERSONAL SKILLS

Mother tongue Italian

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

#### Digital skills

- Statistical Software: R, Stata, Eviews, SPSS, Excel.
- Decision Support Software: Power BI, DPL, Expert Choice, Office Project.
- Modelling software: ADONIS CE, Arena, Design/IDEF, BPwin.
- Other: Windows, DOS, Word, Power Point, Access, LATEX, MySQL, Oracle sqldeveloper, Java, C++, Python.
- Modelling language: BPMN, IDEF0, IDEF3.

Driving licence A, B

#### ADDITIONAL INFORMATION

Research interests ▪ management engineering; digital transformation; health care management; efficiency, productivity and economic growth; forecasting methods; air transport management.

Patent ▪ Beraldo S., Gitto S., Grieco M., Mancuso P. (Inventors); OVS spa (Owner), "Sistema e metodo di razionalizzazione delle scorte di magazzino per una stagione di vendita di una rete di punti vendita". Patent N. 102015000069905. Filing date: 11/06/2015; concession date: 10/04/2018.

Publications  
(summary)

- SCOPUS: number of articles: 32, number of citations: 811, h-index: 17.

Publications  
(selection)

- Visintin F., Aloini D., Gitto S., Vanelli S., Di Feo D. (2023) "Efficiency in radiology departments: a two-stage analysis". *Flexible services and manufacturing journal*.
- Battistoni, E., Gitto, S., Murgia, G., & Campisi, D. (2023). Adoption paths of digital transformation in manufacturing SME. *International Journal of Production Economics*.
- Amlashi, S.T., Gitto, S. (2023). The Efficiency of Italian Hospitals Using Data Envelopment Analysis (DEA) and Classification Tree. In: Borgianni, Y., Matt, D.T., Molinaro, M., Orzes, G. (eds) *Towards a Smart, Resilient and Sustainable Industry. ISIEA 2023. Lecture Notes in Networks and Systems*, vol 745. Springer, Cham. [https://doi.org/10.1007/978-3-031-38274-1\\_24](https://doi.org/10.1007/978-3-031-38274-1_24)
- Ancarani, A., Di Mauro, C., & Gitto, S. (2022). An empirical analysis of the profitability of backshoring initiatives to Europe. *Journal of Manufacturing Technology Management*.
- Fulgenzi, R., Gitto, S., Murgia, G., & Pessot, E. (2022). Simulation of Patient-Centred Scenarios for the Improvement of Transportation Service in Hospitals. In *Working Conference on Virtual Enterprises* (pp. 356-365). Springer.
- Gitto, S., Di Mauro, C., Ancarani, A., Mancuso, P. (2021) "Forecasting national and regional level intensive care unit bed demand during COVID-19: The case of Italy", *Plos one*, vol. 16(2), e0247726.
- Gitto, S., Mancuso, P. (2019) "Brand perceptions of airports using social networks", *Journal of Air Transport Management*, 75, pp. 153-163.
- Roshanghalb A., Lettieri E., Aloini D., Cannavacciuolo L., Gitto S., Visintin F. (2018) "What evidence on evidence-based management in healthcare?", *Management Decision*, vol.56, pp. 2069-2084.
- Aloini D., Cannavacciuolo L., Gitto S., Lettieri E., Malighetti P., Visintin F. (2018) "Evidence-Based Management for Performance Improvement in HealthCare", *Management Decision*, vol.56, pp. 2063-2068.
- Campisi D., Gitto S., Morea D. (2018) "Economic feasibility of energy efficiency improvements in street lighting systems in Rome", *Journal of Cleaner Production*, vol.175, pp.190-198.
- Gitto S., Mancuso P. (2017) "Improve airport services through sentiment analysis of the websites", *Tourism Management Perspectives*, vol.22, pp.132-136.
- Gitto S. (2017), "Efficiency change, technological change and capital accumulation in Italian regions: a sectoral study", *International Review of Applied Economics*, vol.31, pp.191-207.
- Ancarani A., Ayach A., Di Mauro C., Gitto S., Mancuso P. (2016), "Does religious diversity in health team composition affect efficiency? Evidence from Dubai", *British Journal of Management*, vol.27, pp.740-759.
- Ancarani A., Di Mauro C., Gitto S., Mancuso P., Ayach A. (2016), "Technology acquisition and efficiency in Dubai hospitals", *Technological Forecasting and Social Change*, vol.113, pp.475-485.
- Campisi D., Gitto S., Morea D. (2016), "Effectiveness of incentives for wind energy: models and empirical evidences from an Italian case study", *Journal of Sustainability Science & Management*, vol.11, n.2, pp.39-48.
- Bilotkach V., Gitto S., Jovanović R., Mueller J., Pels E. (2015), "Cost efficiency benchmarking of European air navigation service providers", *Transportation Research Part A*, vol.77, pp.50-60.
- Gitto S., Mancuso P. (2015), "The contribution of physical and human capital accumulation to Italian regional growth: a nonparametric perspective", *Journal of Productivity Analysis*, vol.43, n.1, pp.1-12.
- De Nicola A., Gitto S., Mancuso P., Valdmanis V. (2014), "Healthcare reform in Italy: an analysis of efficiency based on nonparametric methods", *The International Journal of Health Planning and Management*, vol.29, pp.48-63.
- De Nicola A., Gitto S., Mancuso P. (2013), "Airport Quality and Productivity Changes: A Malmquist Index Decomposition Assessment", *Transportation Research Part E*, vol.58, pp.67-75
- De Nicola A., Gitto S., Mancuso P. (2013), "Evaluating Italian public hospital efficiency using bootstrap DEA and CART", *International Journal of Applied Decision Sciences*, vol.6, n.3, pp. 281-292.
- De Nicola A., Gitto S., Mancuso P. (2012), "Uncover the predictive structure of healthcare efficiency applying a bootstrapped data envelopment analysis". *Expert System with applications*, vol.39, n.12, pp. 10495-10499.
- Gitto S., Mancuso P. (2012), "The two faces of airport business: a non-parametric analysis of the Italian airport industry". *Journal of Air Transport Management*, vol.20, pp. 39-42.
- Ceccobelli M., Gitto S., Mancuso P. (2012), "ICT capital and labour productivity: a non-parametric analysis of 14 OECD countries". *Telecommunications Policy*, vol.36, n.4, pp. 282-292.
- Gitto S., Mancuso P. (2012), "Bootstrapping the Malmquist indexes for Italian airports". *International*

**Invited Papers Presented at Conferences**

Journal of Production Economics, vol.135, n.1, pp. 403-411.

- Curi C., Gitto S., Mancuso P. (2011), "New evidence on the efficiency of Italian airports: a bootstrapped DEA analysis". Socio-Economic Planning Science, vol.45, n.2, pp. 84-93.
- Curi C., Gitto S., Mancuso P. (2010), "The Italian airport industry in transition: a performance analysis". Journal of Air Transport Management, vol.16, n.4, pp. 218-221.
- Bergamini E., Gitto S., Mancuso P. (2010), "Restructuring the Alitalia business model". Journal of Air Transport Management, vol.16, n.1, pp. 16-19.

**Presentations (selection)**

- De Nicola A., Gitto S., Mancuso P., "Linking quality and productivity: an analysis of the Italian airports". Invited paper, GAP Final Workshop, Berlin School of Economic and law, Berlin, Germany, June 2012.
- Bergamini E., Gitto S., Mancuso P., "Restructuring the Alitalia business model". Invited paper, GAP Final Workshop, Berlin School of Economic and law, Berlin, Germany, June 2012.
- Al Aama T., Alabdulaali M.K., Alharbi, Ayach A., Mancuso P., Gitto S., Sawan A., "Monitoring Hospitals in the Kingdom of Saudi Arabia: An approach based on KPIs (key performance indicators) and SMAA-2 (stochastic multicriteria acceptability analysis)", 14th IFKAD Conference, Matera, Italy, Jun. 2019.
- Di Mauro C., Gitto S., Vastag G., Ancarani A., "Efficiency in public services: the case of one-stop government in Hungary", 49th DSI Annual Conference, Chicago, Illinois, Nov. 2018.
- Gitto S., "A Real Options Model to Project Management", 3rd PMI® Italian Academic Workshop. Roma, Italy, Sep. 2018.
- Aloini D., Gitto S., "Understanding the sources of stock-outs for fashion retails using original indicators", 9th Annual Conference of the European Decision Science Institute (EDSI). Udine, Italy, Jun. 2018.
- Campisi D., Gitto S., Morea D., "A new cultural and financial model for the Green Economy: the use of Shari'ah-compliant finance in a case study", 9th Annual Conference of the European Decision Science Institute (EDSI). Udine, Italy, Jun. 2018.
- Gitto S., Mancuso P., "Brand perceptions of airports using social networks". XXVIII Riunione Scientifica Annuale dell'Associazione Italiana di Ingegneria Gestionale (RSA AilG 2017). Bari, Italy, Oct. 2017.
- Ancarani A., Di Mauro C., Gitto S., Mancuso P., Ayach A., "Technology acquisition and efficiency in Dubai hospitals". XVII Riunione Scientifica Annuale dell'Associazione Italiana di Ingegneria Gestionale (RSA AilG 2016). Bergamo, Italy, Oct. 2016.
- Campisi D., Gitto S., Morea D., "The introduction of LED technology in Rome: a real option analysis". Nineteenth International Working Seminar on Production Economics. Innsbruck, Austria, Feb. 2016.

**Projects**

- PRIN 2022 "Paths and bundles in industry 4.0: how SMEs order and orchestrate technology layers and organizational capabilities to enhance performance in digital transformation". Funded by Ministry of University and Research. 2023-2025.
- Tuscany Health Ecosystem (THE). Spoke 10 - Population health. Sub-project 2 - Coordination and integration of health services for continuity of care and public value creation. Funded by European Union - Next Generation EU. 2022-2025.
- Principal investigator for the Department of Information Engineering and Mathematics of the research project "Innovation and efficiency in judicial offices", funded by Ministry of Justice, PON Governance 2014-2020, 2022-2023.
- Principal investigator of the research project "Analisi e validazione delle simulazioni e dei test di robustezza di algoritmi di asset allocation". Funded by Solida srl. 2021.
- Principal investigator of the research project: "Studio di fattibilità di un sistema di supporto alla stima e parametrizzazione dei costi di commessa". Funded by Bertolotti Rail srl. 2019-2020.
- Member of the research project: "IBLUE – Investing in sustainable blue growth and competitiveness through 3-pillar business model", funded by European Regional Development Fund - Interreg MED 2014-2020, principal investigator: prof. Alberto Felice De Toni, University of Udine.
- Member of the research project "BIFOCALPS – Boosting innovation for Industry 4.0 in Alpine Space", funded by European Regional Development Fund - Interreg Alpine Space 2014-2020, principal investigator : prof. Alberto Felice De Toni, University of Udine.
- Member of the research project: "Development of tools for demand forecasting in the fashion industry", funded by OVS spa. 2014-2015.
- Member of the research project: "New models for demand forecasting in the fashion industry", funded by Gruppo COIN spa. 2014
- Scientific consultant, research project: "Technological districts in Lazio". Filas - Financial

**Decision support systems**

Development Agency of the Regione Lazio (2010 – 2011).

Editorial services

- Benchmarking of products (designed using R). Designed and developed for OVS spa, 2015.
- Estimate of lost sales caused by stock out and indicators (designed using R). Designed and developed for OVS spa, 2015.
- Software for automatic demand forecasting: Before! (designed using R). Designed and developed for ACTSolutions srl, 2009.

Teaching (other)

- Member of the Editorial Advisory Board of Management Decision (2019 - ).
- Guest editor of Research in Transportation Economics. Special issue on "Efficiency and productivity in the air transport industry" (2015-2016).
- Guest editor of Management Decision. Special issue on "Performance Improvement in Health Care" (2017).

Conferences organizing committee

- Lecturer in Engineering Economics and Microeconomics. Undergraduate course, Faculty of Engineering, University of Rome Tor Vergata (2008-2009, 2009-2010 and 2010-2011).

Honours and awards

- Member of the Scientific Committee of EDSI 2018 Conference on Decision sciences for the new global economy. Udine, Italy.
- Special track "Evidence-Based Practice of Management in Healthcare for Performance Improvement: Is there more than Rhetoric?", XXVII Riunione Scientifica Annuale dell'Associazione italiana di Ingegneria Gestionale, 2016.
- EDSI 2015 Conference on Decision sciences for the service economy. Taormina, Italy. May 31 – June 3, 2015.

Other professional activities

- Certificate of appreciation from the Ministry of Health of Saudi Arabia, 2019.
- Excellence in Reviewing, Journal of Air Transport Management, 2013.
- eBMS Young Scholar Best Paper Award 2007.

- National scientific qualification ("abilitazione") to function as Full Professor in Italian Universities for Business and Engineering Management (scientific sector ING-IND/35), (May 2021 - ).
- Member of the evaluation committee for Fondimpresa, Announcement "Digital innovation and technology", 2019.