

ALBERTO PORTIOLI STAUDACHER SHORT BIO

Full Professor of Operations and Supply Chain Management, loves to blend research, teaching and consulting to develop new knowledge and insight on how to effectively operate and improve service and manufacturing companies, making employees, managers and shareholders happier. 12 years in the board of the Department; 6 years Director of Studies of Management Engineering course; Director of the Lean Excellence Center at Politecnico di Milano; Director of the OPEX group at Politecnico di Milano; Director of Lean Six Sigma executive program and of Global Master in Industrial Management. At the Business School of Politecnico di Milano he had designed and directed several courses in the area of Operations Management, both open courses (e.g. Executive Course in Lean Six Sigma) and customized courses for specific companies (e.g. IVECO, Banca Sella, BTicino). He has been leading more than 200 research and consulting projects with Italian and international companies. Alberto Portioli Staudacher wrote 4 books and more than 150 articles and is considered one of the main experts in Operations Management and Process Improvement

DESCRIPTION OF THE RESEARCH ACTIVITY

Main research topics are Lean management and all Operational Excellence approaches, addressing them at a strategic and at an operational level. Both in service and in manufacturing companies. Latest development are related to Lean implementation in low volume-high variety companies, Lean Start-up, and the development of Lean and OPEX approaches with the digital revolution. A particular interest is in understanding and bettering improvement practices and in developing the improvement capabilities of manufacturing and service companies. Quite active is also the research activity about Production and supply chain planning and control systems (e.g. WorkLoad Control)

RESEARCH LINE:

Challenges in Supply Chain Management
Manufacturing of the Future: Industry 4.0
Digital Innovation and Transformation

RELEVANT PUBLICATIONS (Last 2 years)

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
Tortorella G., Miorando R., Caiado R., Nascimento D., Portioli Staudacher A.	The mediating effect of employees' involvement on the relationship between Industry 4.0 and operational performance improvement	2021	Total Quality Management and Business Excellence	32	1-2	119	133
Costa F., Portioli-Staudacher A.	On the Way of a Factory 4.0: The Lean Role in a Real Company Project	2020	Lecture Notes in Networks and Systems	122		251	259
Cifone F.D., Portioli-Staudacher A., Silla A.	Lean Healthcare: How to Start the Lean Journey	2020	Lecture Notes in Networks and Systems	122		321	329
Kassem B., Costa F., Portioli-Staudacher A.	JIT Implementation in Manufacturing: The Case of Giacomini SPA	2020	Lecture Notes in Networks and Systems	122		273	281

Portioli-Staudacher A., Costa F., Thürer M.	The use of labour flexibility for output control in workload controlled flow shops: A simulation analysis	2020	International Journal of Industrial Engineering Computations	11	3	429	442
Kundu K., Land M.J., Portioli-Staudacher A., Bokhorst J.A.C.	Order review and release in make-to-order flow shops: analysis and design of new methods	2020	Flexible Services and Manufacturing Journal				
Tortorella G., Narayanamurthy G., Godinho Filho M., Portioli Staudacher A., Mac Cawley A.F.	Pandemic's effect on the relationship between lean implementation and service performance	2020	Journal of Service Theory and Practice				
Kundu K., Cifone F., Costa F., Portioli-Staudacher A., Rossini M.	An evaluation of preventive maintenance framework in an Italian manufacturing company	2020	Journal of Quality in Maintenance Engineering				
Rossini M., Portioli-Staudacher A., Cifone F.D., Costa F., Esposito F., Kassem B.	Lean and Sustainable Continuous Improvement: Assessment of People Potential Contribution	2020	Lecture Notes in Networks and Systems	122		283	290
Rossini M., Audino F., Costa F., Cifone F.D., Kundu K., Portioli-Staudacher A.	Extending lean frontiers: a kaizen case study in an Italian MTO manufacturing company	2019	International Journal of Advanced Manufacturing Technology	104	5-8	1869	1888
Costa F., Portioli-Staudacher A., Nisi D., Rossini M.	Integration of order review and release and output control with worker's allocation in a pure flow shop	2019	IFAC-PapersOnLine	52	13	2632	2637
Kundu K., Rossini M., Portioli-Staudacher A.	A study of a kanban based assembly line feeding system through integration of simulation and particle swarm optimization	2019	International Journal of Industrial Engineering Computations	10	3	421	442
Rossini M., Costa F., Tortorella G.L., Portioli-Staudacher A.	The interrelation between Industry 4.0 and lean production: an empirical study on European manufacturers	2019	International Journal of Advanced Manufacturing Technology	102	9-12	3963	3976
Borges G.A., Tortorella G., Rossini M., Portioli-Staudacher A.	Lean implementation in healthcare supply chain: a scoping review	2019	Journal of Health Organization and Management	33	3	304	322
Costa F., Denis Granja A., Fregola A., Picchi F., Portioli Staudacher A.	Understanding Relative Importance of Barriers to Improving the Customer-Supplier Relationship within Construction Supply Chains Using DEMATEL Technique	2019	Journal of Management in Engineering	35	3		
Tortorella G.L., Rossini M., Costa F., Portioli Staudacher A., Sawhney R.	A comparison on Industry 4.0 and Lean Production between manufacturers from emerging and developed economies	2019	Total Quality Management and Business Excellence				
Costa F., Lispi L., Staudacher A.P., Rossini M., Kundu K., Cifone F.D.	How to foster Sustainable Continuous Improvement: A cause-effect relations map of Lean soft practices	2019	Operations Research Perspectives	6			
Rossini M., Portioli A.	Supply chain planning: A quantitative comparison between lean and info-sharing models	2018	Production and Manufacturing Research	6	1	264	283
Kundu K., Rossini M., Portioli-Staudacher A.	Analysing the impact of uncertainty reduction on WLC methods in MTO flow shops	2018	Production and Manufacturing Research	6	1	328	344