

MATTEO KALCHSCHMIDT

SCIENTIFIC CURRICULUM

General Information

- PhD in Management Engineering at Politecnico di Milano
- Full Professor of Project and Innovation Management at the Department of Management, Information and Production Engineering at University of Bergamo;
- Vice-Chancellor for Internationalization and International Relations at University of Bergamo
- Head of the Department of Management, Information and Production Engineering
- Member of the Management Committee of the Associazione Italiana di Ingegneria Gestionale (AiIG)
- Member of the *Global Manufacturing Research Group* (GMRG), an international network of research on manufacturing practices
- Author of more than 40 articles in top international journals
- Contemporary h-index Hc (based on SCOPUS at November 2020): 19

General Information

In 1999, graduated in Management Engineering at Politecnico di Milano, with a thesis entitled: "Method for the integrated management of spare parts: the Whirlpool case".

In January 2000, he won a scholarship to the Doctorate Program in Management Engineering at Politecnico di Milano. In June 2003, he earned the title of Doctor of Philosophy in Management Engineering from Politecnico di Milano with a thesis entitled "Forecasting short term demand in heterogeneous customer oriented demand management processes".

On January 2004, he was hired as Research Assistant at the Faculty of Engineering at University of Bergamo.

On October 2006, he was promoted Associate Professor at the Faculty of Engineering of the University of Bergamo.

Since December 2014, he is full Professor of Project and Innovation Management at the Department of Management, Information and Production Engineering of the University of Bergamo.

Scientific Activity

Matteo Kalchschmidt conducts research in the field of innovation and management of production and logistics systems. The commitment to scientific research was focused essentially into the topic of the Supply Chain Management with a focus on Management of Demand and Supply Chain Management.

His research program, detailed here, has developed around four main strands:

- 1. Demand management**
- 2. Supply chain management**
- 3. Manufacturing strategies**
- 4. Project management**

In these strands Matteo Kalchschmidt used a multiplicity of perspectives and research methodologies: those typical of managerial disciplines (case-based research, action research), quantitative studies and statistical testing of hypotheses (using surveys and databases); analysis of contingent factors which influence the application of particular methods, the formulation of analytical models explaining particular business phenomena.

The research has also been developed through collaboration with different international research groups including the Global Manufacturing Research Group (GMRG) and the International Manufacturing Strategy Survey (IMSS).

Research topics of Matteo Kalchschmidt are discussed below, briefly explaining the problems faced, objectives, methodologies and results.

1. DEMAND MANAGEMENT

The study in this area has focused on the contribution of information within the processes of forecasting and demand planning and organizational structures to support these processes, analyzing the problems of demand management in the presence of high variability due to strong differences in customer behavior. Given the characteristics of the subject, the research was based on the use of qualitative cases, appropriate methods of action-research, analysis and simulative statistics based on survey. The lodging is divided into different themes:

- The functional integration of forecasting techniques based on modeling of the process of generating demand.
- The impact of the aggregation level of the forecasting process performance.
- The impact of forecasting practices on the performance of companies.

2. SUPPLY CHAIN MANAGEMENT

The study in this area has analyzed the issue of system design, supply and distribution from different perspectives, using different research methods and analyzing various problems. Particular attention was given to managing uncertainty in supply and distribution systems articulating the line of investigation along several themes:

- Supply chain management in global contexts.
- Risk management in the supply chain.
- Sustainability management in the supply chain.
- Purchasing management.
- Supply chain reconfiguration

3. MANUFACTURING STRATEGIES

In this field of research, attention has focused on the manufacturing strategies adopted by firms. This area of research has typically focused on different areas of investigation and attention has been paid to the issue of best practices, defined as practices that more effectively impact on business performance. Attention was paid to the production strategies of successful businesses operating in sectors in decline, to understand how they differ with respect to sectors undergoing growth or maturity.

The research has also focused on the contextual factors that influence both the definition and the effectiveness of a production strategy. The analysis examined the role of time in modifying the impact of a strategy on the production models used and the national culture and ICT.

Finally, attention has focused on the link between production strategies and structure of the production networks, analyzing the factors which influence the choice by companies to relocate their activities and the role of subsidiaries.

The opportunity to participate in the international research project International Manufacturing Strategy Survey (IMSS) has allowed us to study the issues set out in a longitudinal optical analyzing how the factors mentioned before mutating their effect over time.

4. PROJECT MANAGEMENT

This area of research has focused on two main areas:

- The impact of training in the management of industrial projects.
- Management of International Development projects.

Teaching Activities

Matteo Kalchschmidt has participated to several teaching initiatives. In particular since 2000 he has regularly taught Undergraduates and Graduates courses at Politecnico di Milano, University of Milan and University of Bergamo on several topics among which:

- Business Administration
- Operations Management
- Project and Innovation Management
- Organizational Theory and Design

He has also regularly participated to Master and Executive Programs for Politecnico di Milano and University of Bergamo.

Since 2003 he is member of the Faculty at MIP – Politecnico di Milano.

Since 2012 he is member of the Faculty of the DREAMT PhD Program at University of Pavia.

Since 2017 he is member of the Faculty of the TIM PhD Program at University of Bergamo.

Managerial Activities

From 2005 until 2010 he has been member of the Steering Committee of the Center for Innovation and Business Management, competence center of MIP-Politecnico di Milano at the Faculty of Engineering of the University of Bergamo. From 2007 to 2010 he served as Director of the Centre.

From 2010 to 2018 he served as member of the board of SdM - School of Management, the Business School of the University of Bergamo. From 2010 until 2012

he served as Vice-Director of the same School. Between 2013 and 2014 he acted as Director of the School.

From 2010 to 2012 he has been Deputy Director of the Department of Management at the University of Bergamo.

From 2010 to 2013 he has been Vice-Coordinator of the Doctoral Program in Management at the University of Bergamo.

From 2013 he has been Chairman of the Management Engineering Program at the University of Bergamo.

From 2013 he is Chairman of the Management Committee of the Smart[ER] Citizens Program, a research and joint training project between the University of Bergamo and the Graduate School of Design at Harvard University.

From 2015 to 2020 he is member of the Board of the Department of Industrial Engineering and Management, Information and Production of the University of Bergamo.

Since 2015 he is member of the Board of the School of Engineering of the University of Bergamo.

Since 2015 he is Vice-Chancellor of Internationalization and International Relations for the University of Bergamo.

Since 2016 he is member of the Management Committee of the Associazione Italiana di Ingegneria Gestionale (AiIG).

Since 2020 he is the Head of the Department of Management, Information and Production Engineering.

National and International Collaborations

The international visibility of research is evidenced not only by publications, but also by the cooperation with some of the leading international journals and associations in the field of Operations and Production Management.

Since 2000 he is referee of several international journals including:

- International Journal of Production Economics;
- Decision Support Systems;
- European Journal of Industrial Engineering;
- International Journal of Advanced Operations Management;
- International Journal of Business, Management and Social Sciences;
- International Journal of Engineering Management and Economics;
- International Journal of Manufacturing Technology Management;
- International Journal of Operations and Production Management;
- International Journal of Physical Distribution and Technology Management;
- IMA Journal of Management Mathematics;
- Journal of Cleaner Production;
- The Journal of the Operational Research Society;

- Production Planning and Control;
- Decision Science Journal;
- African Journal of Business Management;
- Organizational Studies;
- Supply Chain Management: an International Journal;
- Journal of Purchasing and Supply Management.

Since 2008 he is Area Editor for the international journal Operations Management Research: Advancing Practice Through Theory.

Since 2018 he is Editor-in-Chief of the international journal Operations Management Research: Advancing Practice Through Theory.

Since 2017 he is member of the Editorial Review Board of the International Journal of Operations Management.

Since 2000, he plays the roles of chairman and discussants in national and international conferences and workshops including the International Society on Inventory Research (ISIR), Working Seminar on Production Economics, European Operations Management Association (EurOMA), Production and Operations Management Society (POMS), Rapid Modeling Conference (RMC).

Since 2000 he is member of the Italian Association of Industrial Engineering and Management (AiIG), the International Society for Inventory Research (ISIR), the European Association of Operations Management (EurOMA) and the Production and Operations Management Society (POMS). Since 2004 he is member of the Production and Operations Management Society (POMS). Since 2008 he is member of the Project Management Institute (PMI). Since 2008 he is member of the International Purchasing & Supply Education & Research Association (IPSERA)

In 2003 he was a member of the organizing committee of the First Joint International Conference of the European Operations Management Association & Production and Operations Management Society, the first joint conference of two of the largest associations of Operations Management in the world, for which he is co-editor of the proceedings.

Since 2003 he is a regular member of the scientific committees of the annual conferences of the European Operations Management Association (EurOMA).

Since 2010 he is a regular member of the scientific committees of the annual conferences of the International Purchasing & Supply Education & Research Association (IPSERA)

Since 2003, he is the Italian representative of the Global Manufacturing Research Group (GMRG), a global network of research on production practices in the manufacturing industry, present in many countries. He edited in collaboration with prof. Clay Whybark the University of North Carolina and the prof. John Wacker Arizona State University the IV and V edition of GMRG survey, the main instrument of research association. Since 2008 he is member of the Executive Board of the Group. In 2011 and

2012 he has served as Chairman of the group. Since 2012 till 2015 he has been Vice-President for Data Collection group.

In 2004 he participated as a guest editor for the publication of a special issue about supply chain management in the Journal of Purchasing and Supply Management.

In 2005 he participated as a guest editor for the publication of a special issue of the Journal of Manufacturing Technology Management.

Since 2004, he is working with the International Manufacturing Strategy Survey, a global network of research on management strategies for production and logistics systems.

Since 2007 he operates as a member of evaluation committees for doctoral programs for the University of Bergamo, the University of Padua and the Polytechnic of Milan.

Since 2008 he supervises several doctoral theses in the PhD in Economics and Technology Management at the University of Bergamo.

Since 2008 acts as a reviewer for several agencies and international organizations including the Italian Ministry of Education, the Lombardy Region and the Swiss National Science Foundation.

Since 2010 he is acting as a discussant and reviewer in various international doctoral programs including:

- PhD Program in Management at the Faculty of Economics of the University of Neuchatel.
- PhD Program in Management at the Faculty of Technology Management at Lappeenranta University of Technology.
- PhD Program in Management Engineering at Politecnico di Milano

In 2012 he won the Best Paper Award of the 21st Annual Conference IPSERA (Naples, 1-4 April 2012) for the paper "Sustainable supply chain management: the role of supply chain management and global sourcing investments."

From 2014 is a member of the Organizing Committee of the 22nd EurOMA Conference, the international conference of the EurOMA Association.

In 2016 he won the Best Paper Award of the 25th Annual Conference IPSERA for the paper "We do create and capture value, don't we? Towards a better theory of purchasing contribution to business performance."

In 2017 he won the Best Paper Award – Runner up of the Academy of Management Conference for the paper "Boosting Added Value: Upgrading Patterns of Ten Manufacturers in the Textile and Clothing Industry"

In 2019 he won the Best Paper Award of the 10th European Decision Science Institute Conference for the paper "A meta-analysis of reshoring case studies: towards a knowledge accumulation process"

Professional Experience

Matteo Kalchschmidt has been always deeply involved in research and consultancy project for and in cooperation with several national and international institutions.

Here is a list of the projects he has been involved or responsible for.

Commissioner	Topic	Timing	Role
Whirlpool	Demand forecasting	2001	Involved
RCS	Logistics process improvement	2003	involved
Nestlé	Demand forecasting	2003	Involved
Reckitt Benckiser Italia	Demand forecasting	2004	Co-responsible
Italcementi	Demand forecasting	2004-2008	Co-responsible
PoliMI	Acquisti	2005	Responsible
Cotonificio Albini	Demand forecasting	2005-2007	Responsible
Valtellina S.p.A.	Managerial Coaching	2006	Responsible
ICTeam	ICT analysis	2006	Responsible
Logitra	Logistics	2006	Responsible
Frattini S.p.A	Coaching	2006	Responsible
Otefal S.p.A.	Coaching	2006	Responsible
Radici Finance	Coaching	2007	Responsible
Finmeccanica	Project management program	2007-2014	Co-responsible
OCMI	Process improvement	2008	Responsible
Termigas	Coaching	2008	Responsible
Vodafone	Demand forecasting	2010	Responsible
Sirti	Project management process	2011	Co-responsible
Real Cities	Smart cities	2011– on going	Responsible
Fastweb	Project Management Process	2012	Co-responsible
B&B Italia	Process revision	2013	Co-responsible
Grafiche Rekord	Process improvement	2014	Responsible
Innovagiustizia	Logistics	2014	Involved
Astaldi	Project management academy	2014-2017	Co-responsible
Eupolis	Project Management Process	2015	Responsible
Serioplast	Project Management Process	2017-2019	Responsible
SAME	Innovation Process	2018– on going	
Carl Zeiss Italia	Project Management Process	2019– on going	Responsible
Serioplast	Purchasing innovation	2020	Responsible