



UNIVERSITÀ DEGLI STUDI DELL'AQUILA
Prof. Massimo Gastaldi
Curriculum scientifico

(Aggiornato il 2022/10/18)

GENERAL INFORMATION

Department of Industrial and Information Engineering and Economics

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ACADEMIC STATUS

- Full Professor of Management Engineering at the
Department of Industrial and Information Engineering and Economics, University of L'Aquila (March 2018 - present).

RESEARCH AREAS

- I-O analysis;
- Service management and economics;
- Vertical competition in the oligopolistic markets;

- Flexible manufacturing system;
- Analysis of financial system and real options;
- Performance management;
- Green supply chain and renewable energy;
- Waste management;
- Sustainable development.

EDUCATION

- Qualified for the role of Full Professor of Management Engineering ? Italy (2014-2020);
- Associate Professor of Management Engineering at the Department of Industrial and Information Engineering and Economics, University of L'Aquila (November 1998 ? February 2018);
- Assistant Professor of Management Engineering ? Faculty of Engineering ? University of Rome ?Tor Vergata? (November 1996 ? October 1998);
- Researcher at National Research Council - Institute of System Analysis and Informatics (April 1991 ? March 1996);
- Research Fellow at National Research Council - Institute of System Analysis and Informatics (January 1989 ? January 1991);
- Research Fellow at National Research Council - Center of European Economic Studies, Northeastern University, Boston, Mass., USA (February 1988 ? July 1988);
- Graduation in Statistics (Cum Laude) ? Faculty of Statistics ? University of Rome ?La Sapienza? (1987).

ACADEMIC EXPERIENCES

- Member of Qualifying Committee for the role of Associate and Full Professor of Management Engineering October 2018 ? October 2020;
- Visiting Professor at Center of European Economic Studies, Northeastern University, Boston, Mass., USA in 1993, 1995, 1998 and 2003;
- Visiting Professor at the International Telecommunication Program of Colorado University in 1998;
- Visiting Professor at the Department of Management Science of California State University of San Marcos (San Diego) in 1997;
- Member of the faculty committee of the PhD Program in Enterprise Engineering ? University of Rome ?Tor Vergata? (2015 - present);
- Member of the faculty committee of the PhD Program in Industrial and Information Engineering and Economics ? University of L'Aquila (2013 - 2014);
- Member of the faculty committee of the PhD Program in Electrical and Information Engineering ? University of L'Aquila (2003 - 2012);
- Ordinary member of the ?Italian Association of Management Engineering? (AiIG) (1996 - present);
- Coordinator of the international research agreement between the University of Aquila and the Universidade Paulista (UNIP) of San Paolo (Brazil) on research and education in the engineering area (2016 ? present).

FUNDED RESEARCH PROJECTS

In the period 1996-1998, as a researcher at the University of Rome "Tor Vergata", he participated in several research projects within the local research group led by Professor Agostino La Bella (University of Rome "Tor Vergata"). These projects were funded by the following national and international institutions:

- Italian Ministry of Education, University and Scientific Research (research projects ex quota 40% and ex quota 60%);
- European Community;
- National Research Council (Finalized and Strategic Projects);

In the period 1998-2017, as full time associate professor at the University of L'Aquila, he is responsible for the following research projects:

- Ministry of Education, University and Scientific Research (Scientific research projects ex quota 60%, 2003 - 2016);
- Ministry of Education, University and Research, PRIN Project, Year 2005 (protocol 2005098172_003), biennial entitled "Interconnection in Infrastructure Networks: Econometric-Statistical Analysis", Scientific Director of the Research Unit of the 'University of L'Aquila. Activities started in 2006. National Coordinator: Prof. Nathan Levialdi, University of Rome "Tor Vergata".
- Metronome, Research on Financial Markets, S.r.l., Turin, 2003, "Predictive models of time series in stochastic finance" (University of L'Aquila, Department of Electrical Engineering).
- Ente D'ambito Aquilano, 2002, "Prepare the Water Facility Integrated Water Service Plan" (University of L'Aquila, Department of Electrical Engineering).
- Ministry of Education, University and Research, FIRB, 2001, (Protocol RBAU01L24Y) triennial entitled "Internet and supply chain: new organizational and business models," Scientific Director of the Research Unit of the 'University of L'Aquila. Activities started in 2003. National Coordinator: Prof. Mauro Caputo, University of Salerno.

AWARDS

- In 2017 the paper "Photovoltaic energy systems with battery storage for residential areas: an economic analysis", Journal of Cleaner Production, 131, 460-474, 2016, has been selected as Key Scientific article by the Renewable Energy Organization, <https://reginnovations.org/key-scientific-articles/photovoltaic-energy-systems-battery-storage-residential-areas-economic-analysis/>;
- Emerald Group Publishing Limited, Supply Chain Management: an International Journal, Highly Commended Award (2010) for the paper "A photovoltaic system in a residential building: environmental and economic optimization analysis" presented at the 8th International Conference on Supply Chain Management and Information Systems, Hong Kong, China, 6-8 October 2010;
- Highly Commended Winner at the Emerald Literati Network Awards for Excellence 2007 for the paper "Risk management in supply chain: a real option approach", Journal of Manufacturing Technology Management, 17, 6, 700-720, 2006.

INTERNATIONAL PUBLICATIONS

Publications can be subdivided following their research areas [A - I]

- I-O analysis - A;
- Service management and economics - B;
- Vertical competition in the oligopolistic markets - C;
- Flexible manufacturing system - D;
- Analysis of financial system and real options - E;
- Performance management - F;
- Green supply chain and renewable energy - G;
- Waste management - H;
- Sustainable development - I.

and their editorial placement:

- Publications in International refereed journals (a)
- Publications in International refereed books (b)
- International conference proceedings (c).

a) PUBLICATIONS IN REFEREED JOURNALS

1. I. D'Adamo, M. Gastaldi, G. Ioppolo, P. Morone. An analysis of Sustainable Development Goals in the Italian cities: Performance measures and policy implications. *Land Use Policy*, 120, 106278, 2022, (Research Area: I, Impact Factor: 6.189).
2. I. D'Adamo, M. Gastaldi, P. Morone. Solar Collective Self-consumption: Economic analysis of a policy mix. *Ecological Economics*, 199, 107480, 2022, (Research Area: G, Impact Factor: 6.536, Ranking AiIG: Gold)
3. I. D'Adamo, M. Gastaldi, P. Morone. Economic Sustainable Development Goals: Assessment and Perspectives in Europe. *Journal of Cleaner Production*, 354, 131730, 2022, (Research Area: I, Impact Factor: 11.072, Ranking AiIG: Gold).
4. I. D'Adamo, M. Gastaldi, P. Morone. The impact of a subsidized tax deduction on residential solar photovoltaic-battery energy storage systems. *Utilities Policy*, 75, 101358, 2022, (Research Area: G, Impact Factor: 3.247, Ranking AiIG: Bronze).
5. I. D'Adamo, M. Gastaldi, P. Morone, P. Rosa, C. Sassanelli, D. Settembre-Blundo, Y. Shen. Bioeconomy of Sustainability: Drivers, Opportunities and Policy Implications. *Sustainability*, 14, 200, 2022, (Research Area: I, Impact Factor: 3.889, Ranking AiIG: Copper).
6. A. Apolloni, C.J. Chiappetta Jabbour, I. D'Adamo, M. Gastaldi, D. Settembre-Blundo. Green recovery in the mature manufacturing industry: the role of the green-circular premium and sustainability certification in innovative efforts. *Ecological Economics*, 193, 107311, 2022, (Research Area: I, Impact Factor: 6.536, Ranking AiIG: Gold).
7. G. Romano, G.V. Lombardi, A. Rapposelli, M. Gastaldi. The factors affecting Italian provinces' separate waste-collection rates: an empirical investigation.

- Waste Management*, 139, 217-226, 2022, (Research Area: G, Impact Factor: 8.816, Ranking AiIG: Bronze).
8. A. Apolloni, I. D'Adamo, M. Gastaldi, M. Yazdani, D. Settembre-Blundo. Reflective backward analysis to assess the operational performance and eco-efficiency of two industrial districts. *International Journal of Productivity and Performance Management*, 2022, (Research Area: F, Ranking AiIG: Copper).
 9. I. D'Adamo, M. Gastaldi, M. Imbriani, P. Morone. Assessing regional performance for Sustainable Development Goals in Italy. *Scientific Reports*, 11, 1, 24117, 2021 (Research Area: I, Impact Factor: 4.996, Ranking AiIG: Silver).
 10. A. Dwivedi, D. Agrawal, A. Jha, M. Gastaldi, S.K. Paul, I. D'Adamo. Addressing the Challenges to Sustainable Initiatives in Value Chain Flexibility: Implications for Sustainable Development Goals. *Global Journal of Flexible Systems Management*, 22, 179-197, 2021, (Research Area: G, Impact Factor: 5.715 ; Ranking AiIG: Silver).
 11. G.V. Lombardi, M. Gastaldi, A. Rapposelli, G. Romano. Assessing efficiency of urban waste services and the role of tariff in a circular economy perspective: an empirical application for Italian municipalities. *Journal of Cleaner Production*, 323, 129097, 2021, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).
 12. A. Calabrese, R. Costa, M. Gastaldi, N. Levialdi, R.A. Villazon Montalvan. Implications for Sustainable Development Goals: a Framework to assess company disclosure in sustainability reporting. *Journal of Cleaner Production*, 319, 128624, 2021, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).
 13. G. Lombardi, M. Gastaldi. Sustainable agriculture, food security and diet diversity. *Ecological Modelling*, 458, 109702, 2021.
 14. A. Apolloni, I. D'Adamo, M. Gastaldi, E.D.R. Santibanez-Gonzalez, D. Settembre-Blundo. Growing e-waste management risk awareness points towards new recycling scenarios: the view of Big-Four's youngest consultants. *Environmental Technology & Innovation*, 23, 101716, 2021, (Research Area: H).
 15. I. D'Adamo, M. Gastaldi, P. Rosa. Assessing Environmental and Energetic Indexes in 27 European Countries. *International Journal of Energy Economics and Policy*, 11, 3, 417-423, 2021, (Research Area: G, Ranking AiIG: Bronze).
 16. I. D'Adamo, F. De Monte, F. Ferella, M. Gastaldi. The case study of a photovoltaic plant located the University of L'Aquila: an economic analysis. *Journal of Cleaner Production*, 278, 123561, 2021, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).
 17. I. D'Adamo, P.M. Falcone, M. Gastaldi, P. Morone. The economic viability of photovoltaic systems in public buildings: Evidence from Italy. *Energy*, 207, 118316, 2020, (Research Area: G, Impact Factor: 4.880; Ranking AiIG: Silver).
 18. I. D'Adamo, M. Gastaldi, P. Morone. Data set for assessing the economic performance of a residential PV plant: the analysis of a new policy proposal. *Data*, 5(4), 1-5, 101, 2020 (Research Area: G).
 19. M. Gastaldi, G.V. Lombardi, G. Romano, A. Rapposelli. The efficiency of waste sector in Italy: an application by DEA. *Environmental and Climate Technologies*, 24, 3, 225-238, 2020 (Research Area: I).
 20. V. Annibaldi, A. Condemi, F. Cucchiella, M. Gastaldi, M. Rotilio. Renewable Energy policies: bibliometric review and policy implications. *Environmental and Climate Technologies*, 24, 3, 403-417, 2020 (Research Area: I).
 21. I. D'Adamo, M. Gastaldi, P. Rosa. Recycling of end-of-life vehicles: assessing trends and performances in Europe. *Technology Forecasting and Social Change*, 152, 119887, 2020, (Research Area: G, Impact Factor: 3.815; Ranking AiIG: Gold).
 22. V. Annibaldi, F. Cucchiella, P. De Bernardinis, M. Gastaldi, M. Rotilio. An integrated sustainable and profitable approach of energy efficiency in heritage buildings. *Journal of Cleaner Production*, 251, 119516, 2020, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).

23. I. D'Adamo, P.M. Falcone, M. Gastaldi, P. Morone. RES-T trajectories and an integrated SWOT-AHP analysis for biomethane. Policy implication to support a green revolution in European transport. *Energy Policy*, 138, 111220, 2020, (Research Area: G, Impact Factor: 4.880; Ranking AiIG: Silver).
24. F. Cucchiella, I. D'Adamo, M. Gastaldi, S.C. Lenny Koh, E. Santibanez-Gonzalez. The assessment of GHG emissions in Europe: future estimates and policy implications. *Environment Engineering and Management Journal*, 19, 131-142, 2020, (Research Area: G, Impact Factor: 1.186).
25. D'Adamo, F. Ferella, M. Gastaldi, F. Maggiore, S. Terzi. Towards Sustainable Recycling Processes: Wasted Printed Circuit Boards as a Source of Economic Opportunities. *Resources, Conservation & Recycling*, 149, 455-467, 2019, (Research Area: I, Impact Factor: 5.120; Ranking AiIG: Silver).
26. D'Adamo, P. Falcone, M. Gastaldi. Price analysis of Extra Virgin Oil. *British Food Journal*, 121, 8, 1899-1911, 2019 (Research Area: I, Impact Factor: 1.289; Ranking AiIG: Copper).
27. F. Cucchiella, I. D'Adamo, M. Gastaldi. Sustainable Italian cities: the added value of biomethane from organic waste. *Applied Science*, 9, 2221, 2019, (Research Area: G, Impact Factor: 1.689).
28. F. Cucchiella, I. D'Adamo, M. Gastaldi. An economic analysis of biogas-biomethane chain from animal residues. *Journal of Cleaner Production*, 230, 888-897, 2019, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).
29. G. V. Lombardi, G. Stefani, A. Paci, C. Becagli, M. Miliacca, M. Gastaldi, B. F. Giannetti, C. M. V. B. Almeida. The sustainability of the Italian water sector: an empirical analysis by DEA. *Journal of Cleaner Production*, 227, 1035-1043, 2019, (Research Area: I, Impact Factor: 5.715; Ranking AiIG: Silver).
30. F. Cucchiella, I. D'Adamo, M. Gastaldi, V. Stornelli. Solar photovoltaic panels combined with energy storage in a residential building: an economic analysis. *Sustainability*, 10, 9, 3117-3146, 2018, (Research Area: I, Impact Factor: 2.075; Ranking AiIG: Bronze).
31. F. Cucchiella, I. D'Adamo, M. Gastaldi, M. Miliacca. A profitability analysis of small-scale plants for biomethane injection into the gas grid. *Journal of Cleaner Production*, 184, 179-187, 2018, (Research Area: I, Impact Factor: 5.715; Ranking AiIG: Silver).
32. F. Cucchiella, I. D'Adamo, M. Gastaldi, M. Miliacca. Efficiency and allocation of emission allowances and energy consumption over more sustainable European economies. *Journal of Cleaner Production*, 182, 805-817, 2018, (Research Area: I, Impact Factor: 5.715; Ranking AiIG: Silver).
33. F. Cucchiella, I. D'Adamo, M. Gastaldi. Future Trajectories of Renewable Energy Consumption in the European Union. *Resources*, 7, 10-23, 2018, (Research Area: G).
34. F. Cucchiella, M. Gastaldi, N. Levaldi, M. Miliacca. The management of greenhouse emissions and its effects on firm performance. *Journal of Cleaner Production*, 167, 1387-1400, 2017, (Research Area: I, Impact Factor: 5.715; Ranking AiIG: Silver).
35. G. Capece, F. Di Pillo, M. Gastaldi, N. Levaldi, M. Miliacca. Examining the effect of managing Green House Gas emissions on business performance. *Business Strategy and the Environment*, 26, 1041-1060, 2017, (Research Area: I, Impact Factor: 3.076; Ranking AiIG: Gold).
36. F. Cucchiella, I. D'Adamo, M. Gastaldi, L. Koh, P. Rosa. A comparison of environmental and energetic performance of European Countries: a Sustainability Index. *Renewable & Sustainable Energy Reviews*, 78, 401-413, 2017, (Research Area: F e I, Impact Factor: 8.050; Ranking AiIG: Silver).
37. F. Cucchiella, I. D'Adamo, M. Gastaldi. Biomethane: a Renewable Resource as vehicle fuel. *Resources*, 6, 50-61, 2017, (Research Area: G, Impact Factor: 2.262; Ranking AiIG: Bronze).
38. F. Cucchiella, I. D'Adamo, M. Gastaldi. Economic Analysis of a Photovoltaic System: a Resource for Residential Households. *Energies*, 10, 6, 814-828, 2017, (Research Area: G, Impact Factor: 2.262; Ranking AiIG: Bronze).

39. F. Cucchiella, I. D'Adamo, M. Gastaldi. The Economic Feasibility of Residential energy storage combined with PV panels: the rule of subsidies in Italy. *Energies*, 10, 6, 1434-1452, 2017, (Research Area: G, Impact Factor: 2.262; Ranking AiIG: Bronze).
40. F. Di Pillo, M. Gastaldi, N. Leviaidi, M. Miliacca. Environmental performance versus economic-financial performance: evidence from Italian firms. *International Journal of Energy Economics and Policy*, 7(2), 98-108, 2017, (Research Area: F e I, Ranking AiIG: Silver).
41. F. Cucchiella, I. D'Adamo, M. Gastaldi. Sustainable waste management: waste to energy plant as an alternative to landfill. *Energy Conversion and Management*, 131, 18-31, 2017, (Research Area: H, Impact Factor: 5.589; Ranking AiIG: Silver).
42. F. Cucchiella, I. M. Gastaldi, M. Trosini. Investments and cleaner energy production: a portfolio analysis in the Italian electricity market. *Journal of Cleaner Production*, 142, 121-132, 2017, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).
43. F. Cucchiella, I. D'Adamo, M. Gastaldi. A profitability assessment of small-scale photovoltaic systems in an electricity market without subsidies. *Energy Conversion and Management*, 129, 62-74, 2016, (Research Area: G, Impact Factor: 5.589; Ranking AiIG: Silver).
44. F. Cucchiella, I. D'Adamo, M. Gastaldi. Optimizing plant size in the planning of renewable energy portfolios. *Letters in Spatial and Resource Sciences*, 9, 2, 169-187, 2016 (Research Area: G).
45. F. Cucchiella, I. D'Adamo, M. Gastaldi. Photovoltaic Energy Systems with Battery Storage for Residential Areas: an Economic Analysis. *Journal of Cleaner Production*, 131, 460-474, 2016, (Research Area: G, Impact Factor: 5.715; Ranking AiIG: Silver).
46. S. Bisogno, A. Calabrese, M. Gastaldi, N. Leviaidi. Combining modelling and simulation approaches: how to measure performance of business processes. *Business Process Management Journal*, 22, 1, 56-74, 2016, (Research Area: F, Ranking AiIG: Silver).
47. F. Cucchiella, I. D'Adamo, M. Gastaldi. Profitability analysis for biomethane: a strategic role in the Italian transport sector. *International Journal of Energy Economics and Policy*, 5, 2, 440-449, 2015, (Research Area: G, Ranking AiIG: Silver).
48. F. Cucchiella, I. D'Adamo, M. Gastaldi. Financial analysis for investment and policy decisions in the renewable sector. *Clean Technology and Environmental Policy*, 17, 4, 887-904, 2015, (Research Area: G, Impact Factor: 3.331).
49. F. Cucchiella, I. M. Gastaldi, L. Ranieri. Managing absenteeism in the workplace: the case of an Italian multiutility company. *Elsevier Procedia, Social and Behavioural Science*, 150, 1157-1166, 2014, (Research Area: B).
50. A. Calabrese, F. Di Pillo, M. Gastaldi, I. Iacovelli, N. Leviaidi. Net neutrality vs. discrimination in Internet access: winners, losers and investment incentives. *International Journal of Technology, Policy and Management*, 14, 3, 232-249, 2014, (Research Area: B, Ranking AiIG: Copper).
51. F. Cucchiella, M. Gastaldi. Data envelopment analysis to compare renewable energy efficiency the Italian regions. *Advanced Materials Research*, 912-914, 1607-1611, 2014, (Research Area: F e G).
52. F. Cucchiella, I. D'Adamo, M. Gastaldi. Sustainable management of waste to energy facilities. *Renewable and Sustainable Energy Reviews*, 33, 719-728, 2014, (Research Area: H e I, Impact Factor: 8.050; Ranking AiIG: Silver).
53. F. Cucchiella, I. D'Adamo, M. Gastaldi. Strategic municipal solid waste management: a quantitative model for Italian regions. *Energy Conversion and Management*, 77, 709-720, 2014, (Research Area: H, Impact Factor: 5.589; Ranking AiIG: Silver).
54. F. Cucchiella, I. D'Adamo, M. Gastaldi, L. Koh. Implementation of a real option in sustainable supply chain: an empirical study of alkaline battery recycling.

- International Journal of Systems Science*, 45, 1268-1282, 2014, (Research Area: E e I, Impact Factor: 2.285; Ranking AiIG: Gold).
55. F. Cucchiella, M. Gastaldi. Data envelopment analysis to evaluate photovoltaic plants in Italy. *Advanced Materials Research*, 827, 435-440, 2014, (Research Area: F e G).
56. F. Cucchiella, M. Gastaldi. Italian energy portfolio analysis: an interactive renewable investments tool. *Advanced Materials Research*, 739, 768-776, 2013, (Research Area: G).
57. F. Cucchiella, M. Gastaldi. Real options approach for the management of a new product development in the pharmaceutical sector. *Advanced Materials Research*, 746, 551-556, 2013, (Research Area: E).
58. F. Cucchiella, I. D'Adamo, M. Gastaldi. A multi-objective optimization strategy for energy plants in Italy. *Science of Total Environment*, 443, 955-964, 2013, (Research Area: G, Impact Factor: 4.900; Ranking AiIG: Silver).
59. F. Cucchiella, I. D'Adamo, M. Gastaldi. Municipal waste management and energy recovery in a Italian region. *Waste Management and Research*, 30, 1290-1298, 2012, (Research Area: H, Impact Factor: 1.1338)
60. F. Cucchiella, I. D'Adamo, M. Gastaldi. Modeling optimal investments with portfolio analysis in electricity markets. *Energy Education Science and Technology Part A: Energy Science and Research*, 30, 673-692, 2012, (Research Area: B e G).
61. F. Cucchiella, I. D'Adamo, M. Gastaldi, L. Koh. Renewable energy options for buildings: performance evaluations of integrated photovoltaic systems. *Energy and Buildings*, 55, 208-217, 2012, (Research Area: F e G, Impact Factor: 4.067; Ranking AiIG: Silver).
62. F. Cucchiella, I. D'Adamo, M. Gastaldi. Green Supply Chain and Energy Recovery Plant in Abruzzo. *Elsevier Procedia, Social and Behavioural Science*, 25, 54-72, 2011, (Research Area: G e H).
63. A. Calabrese, M. Gastaldi, I. Iacovelli, N. Levialdi. New Technologies in the Payment System Industries: The SEPA Project. *American Journal of Economics and Business Administration*, 2, 4, 384-394, 2010, (Research Area: E).
64. M. Gastaldi, N. Levialdi, A. Nucciarelli. Asymmetric competition and collection rates differentials: determinants of prices in international telephone service markets. *Netnomics*, 11, 3, 315-329, 2010, (Research Area: B).
65. L. Cricelli, F. Di Pillo, M. Gastaldi, N. Levialdi. Asymmetry in mobile access charges: is it an effective regulatory measure? *Netnomics*, 11, 3, 291-314, 2010, (Research Area: B)
66. F. Cucchiella, M. Gastaldi, L. Koh. Performance Improvement: an Active Life Cycle Product Management. *International Journal of Systems Science*, 41, 3, 301-313, 2010, (Research Area: F, Impact Factor: 2.285; Ranking AiIG: Gold).
67. A. Calabrese, M. Gastaldi, I. Iacovelli, N. Levialdi. A Simulation Approach to Innovation and Competition Analysis in Payment Systems. *International Journal of Financial Economics and Econometrics*, vol.1, 2, 135-152, 2009, (Research Area: E)
68. M. Gastaldi, A. Nucciarelli. Collaboration in the Airport Business through the Development of an IT Platform. *International Journal of Production Economics*, vol. 121, 2, 562-573, 2009, (Research Area: B, Impact Factor: 3.493; Ranking AiIG: Gold).
69. F. Cucchiella, I. D'Adamo, M. Gastaldi. Highway Project Management through Real Options. *Journal of European Economy*, vol. 7, Special Issue, 38-54, 2008, (Research Area: E).
70. A. Calabrese, M. Gastaldi, I. Iacovelli, N. Levialdi. Ultrabroadband Competition in Two-Sided Markets. *Communications & Strategies*, Special Issue (Ultrabroadband: the next stage in communications), November 2008, 131-148, 2008, (

Research Area: B).

71. S. Arunachalam, F. Cucchiella, M. Gastaldi, N. Page. Translating the Supply Chain Uncertainty into a Firm new value. *International Journal of Agile Systems and Management*, 3, 3/4, 198-215, 2008, (Research Area: E).
72. M. Gastaldi, N. Leviaidi, A. Nucciarelli. The International Telecommunications Imbalances: an empirical Analysis. *International Journal of Logistic Economics and Globalization*, 2,1,141-159, 2008, (Research Area: B)
73. A. Calabrese, M. Gastaldi, I. Iacovelli, N. Leviaidi. Innovation and Competition in two-sided market: the case of Payment System. *International Journal of Management and Network Economics*, 1, 1, 1-20, 2008, (Research Area: E).
74. F. Cucchiella, M. Gastaldi. Switch Option: Managing Strategic Investment in an uncertain world. *International Journal of Enterprise Network Management*, 2, 2, 167-184, 2008, (Research Area: E)
75. M. Gastaldi, A. Nucciarelli. Information Technology and Collaboration Tools within the E-Supply Chain Management of the Aviation Industry. *Technology Analysis and Strategic Management*, 20, 2, 169-184, 2008, (Research Area: B, Impact Factor: 1.273; Ranking AiIG: Silver).
76. F. Cucchiella, M. Gastaldi. Risk management in a Globalized Cosmetic Firm. *International Journal of Logistic Economics and Globalization*, 1, 1, 21-33, 2007, (Research Area: E).
77. F. Cucchiella, M. Gastaldi. Risk management in supply chain: a real option approach. *Journal of Manufacturing Technology Management*, 17, 6, 700 ? 720, 2006, (Research Area: E, Ranking AiIG: Bronze).
78. L. Cricelli, F. Di Pillo, M. Gastaldi, N. Leviaidi. Wholesale Competition in the International Telecommunication System. *Network and Spatial Economics*, 5, 3, 261-277, 2005, (Research Area: B, Impact Factor: 2.262; Ranking AiIG: Gold).
79. A. Calabrese, M. Gastaldi, N. Leviaidi. A Real Options Model to Evaluate Infrastructure Flexibility: an Application to Photovoltaic Technology. *International Journal of Technology Management*, 29, 1/2, 173-191, 2005, (Research Area: E e G, Impact Factor: 0.867; RankingAiIG: Bronze).
80. M. Gastaldi, A. Nardecchia. The Kalman filter approach for time-varying b estimation. *System Analysis, Modelling, Simulation*, 43, 8, 1033-1042, 2003, (Research Area: E).
81. D. Campisi, M. Gastaldi, A. La Bella. Technological change and network development: challanges and perspectives in mobility and communication. *International Journal of Service Technology and Management*, 4, 1, 79-101, 2003, (Research Area: B)
82. L. Cricelli, M. Gastaldi, N. Leviaidi. Efficiency Measurement of Factories Via Data Envelopment Analysis. *System Analysis, Modelling, Simulation*, 42, 10, 1521-1536, 2002, (Research Area: F).
83. L. Cricelli, M. Gastaldi, N. Leviaidi. The impact of competition in the Italian Mobile Telecommunications Market. *Network and Spatial Economics*, 2, 239-253, 2002, (Research Area: B, Impact Factor: 2.662; Ranking AiIG: Gold).
84. L. Cricelli, M. Gastaldi, N. Leviaidi. Strategic Behaviours in International Telecommunication System . *International Journal of Production Economics*, 69, 141-149, 2001, (Research Area: B, Impact Factor: 3.493; Ranking AiIG: Gold).

85. A. D'Angelo, M. Gastaldi, N. Leviaidi. Production Variability and Shop Configuration: an Experimental Analysis. *International Journal of Production Economics*, 68, 43-57, 2000, (Research Area: D, Impact Factor: 3.493; Ranking AiIG: Gold).
86. L. Cricelli, M. Gastaldi, N. Leviaidi. Vertical integration in International Telecommunications System . *Review of Industrial Organization*, 14, 4, 337-353, 1999, (Research Area: B, Impact Factor: 0.650; Ranking AiIG: Silver).
87. L. Cricelli, M. Gastaldi, N. Leviaidi. Strutture di mercato delle telecomunicazioni internazionali: una analisi econometria. *Economia e Politica Industriale*, 104, 57-85, 1999, (Research Area: B, Ranking AiIG: Copper).
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b) PUBLICATIONS IN INTERNATIONAL REFEREED BOOKS

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c) INTERNATIONAL CONFERENCE PROCEEDINGS

1. M. Gastaldi, G.V. Lombardi, G. Romano, A. Rapposelli. The efficiency of waste sector in Italy: an application by DEA. *Proceedings of CONECT 2020*, Riga, Latvia, May 2020, (Research Area: I).
2. V. Annibaldi, A. Condemi, F. Cucchiella, M. Gastaldi, M. Rotilio. Renewable Energy policies: bibliometric review and policy implications. *Proceedings of CONECT 2020*, Riga, Latvia, May 2020, (Research Area: I).
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6. V. Annibaldi, F. Cucchiella, M. Gastaldi, M. Rotilio, V. Stornelli. Sustainability of Biogas Based Projects: Technical and Economic Analysis. In *CGEEE 2018*, E3S Web of Conferences, 93, 02001, 2019, (Research Area: I).
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24. F. Cucchiella, M. Gastaldi, L. Koh. Option Theory Application for Life Cycle Management. *CD Proceedings of the Fifth International Conference on Supply Chain Management and Information Systems*, Melbourne, Australia, December 2007, (Research Area: E).
25. A. Figliolini, M. Gastaldi, D. Rogers. Managing Leakage Economically. *Proceedings of Waterloss2007 Conference*, Volume II, Bucharest, Romania, September 2007, 588-594, (Research Area: B).
26. M. Gastaldi, N. Levialdi, A. Nucciarelli. Asymmetric competition and collection rates differentials: determinants of prices in international telephone service markets. *IEEE CD Proceedings of 6th Conference on Telecommunication Techno-Economics*, June 2007, Helsinki, Finland, June 2007, (Research Area: B).
27. L. Cricelli, F. Di Pillo, M. Gastaldi, N. Levialdi. Could Asymmetric Regulation of Access Charges Improve the Competition between Mobile Networks. *IEEE CD Proceedings of 6th Conference on Telecommunication Techno-Economics*, June 2007, Helsinki, Finland, June 2007, (Research Area: B).

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35. A. Calabrese, M. Gastaldi, N. Levialdi. The Network Effects in the Multi-Sided Platform Industries. *CD Proceedings of 2nd International Conference on Economics and Management of Networks* Budapest, Hungary, September 2005, (Research Area: F).
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48. L. Cricelli, M. Gastaldi, N. Leviaidi. A Simulation Model for International Telecommunication System. *CD Proceedings of the ESS 96 Conference*, Genoa, 518-522, 1996, (Research Area: B).
49. L. Cricelli, M. Gastaldi, N. Leviaidi. Vertical cooperation in high technology sectors: the military industry. *CD Proceedings of International Conference on Management and New Technologies*, Madrid, 223-230, 1996, (Research Area: C).
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53. D. Campisi, M. Gastaldi. Managing regional growth in a dualistic economy. *Proceedings of International Congress on Modelling and Simulation*, Perth (Australia), 1325-1330, 1993, (Research Area: A).
54. M. Bielli, P. Carotento, M. Gastaldi. Multicriteria Evaluation of Integrated Urban Traffic Management Systems. *Proceedings of 2nd Meeting of EURO Working Group on Urban Traffic and Transportation*, Paris (France), 337-347, 1993, (Research Area: B).
55. M. Bielli, M. Gastaldi, F. Sica. Performance Evaluation of Urban Transport Service Management and Organization. *Proceedings 6th European Forum on Cost Engineering*, Università Bocconi, Milano, Vol. 1, 189-212, 1993 (Research Area: B and F).
56. M. Bielli, M. Gastaldi, F. Sica. Performance Evaluation in the Management of Urban Transportation Services. *Proceedings of 1st Meeting of EURO Working Group on Urban Traffic and Transportation*, Landshut (Germany), 1-19, 1992, (Research Area: B and F).

57. L. Bianco, D. Campisi, M. Gastaldi. The competition between truck and rail transportation: numerical simulations and empirical evidence from the in Italian case. *Proceedings of the 1992 EUROSIM Conference*, (Maceri and Iazzeolla Eds.), Elsevier Science Publishers B.V., Amsterdam, 347-352, 1992, (*Research Area: B*).
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SCOPUS INDICATORS (1/04/2019)

- H-index: 17
- Citations: 802
- Documents: 76

ITALIAN EVALUATION OF RESEARCH QUALITY (VQR) 2004 - 2010

- F. Cucchiella, M. Gastaldi. Risk management in supply chain: a real option approach. *Journal of Manufacturing Technology Management*, 17, 6, 700 ? 720, 2006. Evaluation: 1 (Excellent).

- M. Gastaldi, A. Nucciarelli. Collaboration in the Airport Business through the Development of an IT Platform. *International Journal of Production Economics*, vol. 121, 2, 562-573, 2009. Evaluation: 0.8 (Good).
- A. Calabrese, M. Gastaldi, N. Leviardi. A Real Options Model to Evaluate Infrastructure Flexibility: an Application to Photovoltaic Technology. *International Journal of Technology Management*, 29, 1/2, 173-191, 2005. Evaluation: 0.8 (Good).

ITALIAN EVALUATION OF RESEARCH QUALITY (VQR) 2011 - 2014

- F. Cucchiella, I. D'Adamo, M. Gastaldi. Strategic municipal solid waste management: a quantitative model for Italian regions. *Energy Conversion and Management*, 77, 709-720, 2014. Evaluation: 1 (Excellent).
- F. Cucchiella, I. D'Adamo, M. Gastaldi. Sustainable management of waste to energy facilities. *Renewable and Sustainable Energy Reviews*, 33, 719-728, 2014. Evaluation: 1 (Excellent).
- F. Cucchiella, I. D'Adamo, M. Gastaldi, L. Koh. Renewable energy options for building performance evaluations of integrated photovoltaic systems. *Energy and Buildings*, 55, 208-217, 2012. Evaluation: 1 (Excellent).

EDITORIAL BOARDS

- Editor in Chief of the *International Journal of Management and Network Economics*
? Inderscience Publisher (2008 - 2019);
- Member of the Editorial Advisory Board of the *International Journal of Logistics, Economics and Globalization*
? Inderscience Publisher (2010 - 2016).

REFEREE FOR INTERNATIONAL JOURNALS

- International Journal of Production Economics (WoS and Scopus);
- International Journal of Production Research (WoS and Scopus);
- Journal of Cleaner Production (WoS and Scopus);
- Technology Analysis & Strategic Management (WoS and Scopus);
- Network and Spatial Economics (WoS and Scopus);
- Renewable and Sustainable Energy Reviews (WoS and Scopus);
- Waste Management and Research (WoS and Scopus);
- International Journal of Agile Systems and Management (Scopus);
- Communications & Strategies;
- International Journal of Logistics, Economics and Globalization;
- International Journal of Management and Network Economics.

SCIENTIFIC COORDINATOR OF CONFERENCES

He has organized and is part of the Advisory Board of several international conferences, especially those of the International Telecommunication Society (SCMIS) and SCMIS (Supply Chain Management and Information Systems). He was also responsible for the following major events:

- XXI Annual Scientific Meeting of the Italian Association of Management Engineering (AiIG) on "Reconstruction, Economic Recovery and Competitiveness", held in L'Aquila in October 2010 at S. Stefano di Sessanio.
- Conference on "Network management: from interconnection to real option" held in L'Aquila in February 2007, sponsored by the Italian Association of Management Engineering (AiIG).

TEACHING

- Lecturer of Economy Applied to Engineering at University of L'Aquila from academic year 1999/2000 until now;
- Lecturer of Analysis of Financial Systems at University of L'Aquila from academic year 2005/2006 until now;
- Lecturer of Economy and Service Organization at University of L'Aquila from academic year 2005/2006 until academic year 2007/2008;
- Lecturer of Economy of Industrial Systems at University of L'Aquila from academic year 2000/2001 until academic year 2006/2007;
- Lecturer of Economy and Corporate Organization at University of L'Aquila in academic year 1998/1999;
- Lecturer of Economy and Management of the School of Specialization in Clinical Engineering at University of L'Aquila in academic years 1998/1999 and 1999/2000;
- Lecturer of Economy Applied to Engineering at University of Rome "Tor Vergata" in academic years 1996/1997 e 1997/1998.
- Lecturer of "Regulation Models for Economic and Social Systems" in the MSc Degree in "Engineering for Public Administrations" University of Rome "Tor Vergata" (from academic year 2007/2008 until academic year 2016/2017);
- Lecturer of "Financial Engineering" in the MSc Degree in "Enterprise Engineering" University of Rome "Tor Vergata" (in academic years 2015/2016 and 2016/2017);
- Lecturer of "Portfolio Choices" in the MSc Degree in "Enterprise Engineering" University of Rome "Tor Vergata" (from academic year 2002/2003 until academic year 2014/2015);
- Supervisor of over di 50 graduate theses at University of Rome "Tor Vergata" and University of L'Aquila from academic year 1996/1997 until now;
- As member of the Doctoral Committees he has tutored several PhD theses at University of Rome "Tor Vergata" and University of L'Aquila from academic year 1996/1997 until now.

FURTHER ACTIVITIES RELATED TO TEACHING

- Lecturer of the course "Quality Management System in Public Administration" at the Department VII of the Rome Municipality (2008).

- Lecturer of the course "The new electricity market: the technical and regulatory aspects and the problems of territorial and environmental impact" organized by Cesi and the University of L'Aquila in L'Aquila (2005).
- Lecturer of the course "Quality in Local Public Services" at the Department VII of the Rome Municipality (2005).
- Lecturer of the course "Measurement and Economic Evaluation of Management Facts" in the "Business Management Course" of the Lazio Region in the period April 2000 - October 2000.
- Lecturer of the "Business and Business Organization" at the Scientific Technology Center of Abruzzo, led by Professor Diego Barba (University of L'Aquila) in 1999.
- Lecturer on Fundamentals of Statistics and Econometrics, as part of the seminars for the training of the PhD students in Economic-Management Engineering of the Republic of San Marino, Department of Economics and Technology, University of San Marino (1998).
- Lecturer of the course "Economics of the Environment and Regional Planning" held at the Formez of Naples in 1994.

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