

Matteo Giacomo Di Castelnuovo



Associate Professor of Practice

Knowledge Group: Economics, Politics and Decision Sciences

Research Domains: Sustainability

Teaching Domains: Energy Transition, Corporate Sustainability, Sustainable Supply Chain

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Biography

Matteo Di Castelnuovo is Associate Professor of Practice in Sustainability at SDA Bocconi School of Management and Academic Director the Master in Sustainability Management (MSM). He teaches Energy Economics and Microeconomics both at SDA Bocconi School of Management and Bocconi University.

At SDA Bocconi, he has directed several programs for senior executives in leading energy and financial firms. He is Program Director of the Enel Green Power School of Business Development and of the Enel Green Power School of Engineering & Construction. He conducted numerous research, training and consulting projects with Credit Suisse, Enel, EDF, Edison, Eni, Italgas, RTE, Shell, Snam, UBI and many others. He frequently delivers seminars to senior executives on energy and climate scenarios and strategies. Prior to going back to academia in 2004, he has worked for a few years as a strategic energy consultant in the UK. He lectured at Imperial College London, London Business School and Politecnico Milano.

Matteo has over twenty years of experience working on energy markets and technologies. His research interest focus on energy economics, regulation, market design, liberalization, energy and climate policy, low-carbon technologies, utilities strategy, energy access in developing countries, sustainable mobility and the decarbonization of energy-intensive industries.

He is the author of numerous books and articles on the subject. His work has been published in Energy Policy Journal, European Energy & Climate Journal, International Journal of Global Energy Issues, Economia & Management, among others. He sits in the editorial board of the European Energy & Climate Journal. In 2010 he received a Jean Monnet Fellowship. He has presented at several national and international conferences. He is the faculty representative in the Energy and Utilities Topic within the Bocconi Alumni Community. As an expert on climate and energy issues, his name has appeared several times on national media and he is often interviewed by the press.

He holds a PhD in Energy Economics from Imperial College London, a MSc in Environmental Technology/Environmental Economics from Imperial College London and a degree in Economics from Bocconi University.

Other

Il nucleare non può essere spinto (solo) da motivi economici

DI CASTELNUOVO, M. G., "Il nucleare non può essere spinto (solo) da motivi economici", Fortune Italia, March 2025

Beyond economics: The nuclear energy debate - Il nucleare oltre i motivi economici

DI CASTELNUOVO, M. G., "Beyond economics: The nuclear energy debate - Il nucleare oltre i motivi economici", SDA Bocconi Insight, 4 August 2025

Everyone's ready for the Clean Tech Revolution

DI CASTELNUOVO, M. G., "Everyone's ready for the Clean Tech Revolution", SDA Bocconi Insight - Podcast, 21 November 2022

Italy's Energy Future at a Crossroads

DI CASTELNUOVO, M. G., A. BIANCARDI, "Italy's Energy Future at a Crossroads", ISPI Istituto per gli Studi di Politica Internazionale, 24 November 2022

Terre rare: le "vitamine" dell'industria moderna

BIANCARDI, A., M. G. DI CASTELNUOVO, "Terre rare: le "vitamine" dell'industria moderna", ISPI Istituto per gli Studi di Politica Internazionale, 30 November 2022

Terre rare: l'Occidente appronta le difese

BIANCARDI, A., M. G. DI CASTELNUOVO, "Terre rare: l'Occidente appronta le difese", ISPI Istituto per gli Studi di Politica Internazionale, 13 December 2022

Articles in Scholarly Journals

La decarbonizzazione e le sfide di Big Oil - Decarbonization and the Challenges of Big Oil

DI CASTELNUOVO, M. G., A. BIANCARDI, "La decarbonizzazione e le sfide di Big Oil - Decarbonization and the Challenges of Big Oil", Economia & Management, 2021, no. 1, pp. 35-41

No country for "oil" men. What will the future hold for Big Oil?

DI CASTELNUOVO, M. G., A. BIANCARDI, "No country for "oil" men. What will the future hold for Big Oil?", EECJ - The European Energy & Climate Journal, 2021, vol. 10, no. 1, pp. 35-46

A framework to evaluate how European Transmission System Operators approach innovation

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A New Paradigm in the Electricity Sector: Key Trends and Stock Performance of European Utilities

BIANCARDI, A., M. G. DI CASTELNUOVO, "A New Paradigm in the Electricity Sector: Key Trends and Stock Performance of European Utilities", EECJ - The European Energy & Climate Journal, January 2020, vol. 9, no. 1, pp. 31-43

Auto elettriche: il nodo strategico delle batterie.

DI CASTELNUOVO, M. G., A. BIANCARDI, "Auto elettriche: il nodo strategico delle batterie.", Harvard Business Review Italia, June 2020, vol. Speciale Mobilità Sostenibile, pp. 122-125

Donne ed energia motori di sviluppo - Women and Energy as Drivers of Development

DI CASTELNUOVO, M. G., V. ALLEVI, "Donne ed energia motori di sviluppo - Women and Energy as Drivers of Development", Economia & Management, 2020, no. 3, pp. 15-18

Cobalto: l'oro blu nella transizione energetica - Cobalt: Blue Gold in the Energy Transition

DI CASTELNUOVO, M. G., P. CASATI, "Cobalto: l'oro blu nella transizione energetica - Cobalt: Blue Gold in the Energy Transition", Economia & Management, 2020, no. 3, pp. 23-27

L'evoluzione delle utility energetiche nell'era delle smart city

DI CASTELNUOVO, M. G., S. GATTI, A. PANERAI, "L'evoluzione delle utility energetiche nell'era delle smart city", Economia & Management, 2017, no. 5-6, pp. 111-130

I nuovi assetti proprietari delle reti di trasporto energia in Europa

DI CASTELNUOVO, M. G., C. MIRIELLO, "I nuovi assetti proprietari delle reti di trasporto energia in Europa", Economia & Management, 2015, no. 2, pp. 11-16

What future for European energy networks?

DI CASTELNUOVO, M., C. MIRIELLO, "What future for European energy networks?", Network Industries Quarterly, 2014, vol. 16, no. 3, pp. 1-25

An assessment of the Italian smart gas metering program

DI CASTELNUOVO, M., E. FUMAGALLI, "An assessment of the Italian smart gas metering program", Energy Policy, 2013, vol. 60, pp. 714-721

An analysis of spatial pricing and renewable generation in the British electricity system

DI CASTELNUOVO, M. G., M. LEACH, P. PEARSON, "An analysis of spatial pricing and renewable generation in the British electricity system", International Journal of Global Energy Issues, 2008, vol. 29, no. 1/2, pp. 199

Contribution to Chapters, Books or Research Monographs

Energy transportation: gas

DI SANTE, S., M. G. DI CASTELNUOVO, A. RUBINO, "Energy transportation: gas" in Handbook of Energy Economics and Policy., La Scala, M., Sapio, A., Rubino, A. (Eds.), Academic Press, chap. 4, pp. 153-191, 2021

Regulatory challenges for energy storage systems

CASATI, P., M. G. DI CASTELNUOVO, M. VASQUEZ, "Regulatory challenges for energy storage systems" in Handbook of Energy Economics and Policy., La Scala, M., Sapio, A., Rubino, A. (Eds.), Academic Press, chap. 10, pp. 395-431, 2021

The Future of Energy Infrastructure

DI CASTELNUOVO, M. G., A. BIANCARDI, "The Future of Energy Infrastructure" in Disruption in the Infrastructure Sector., Gatti, S. (Eds.), Springer, chap. 2, pp. 5-52, 2020

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GATTI, S., M. G. DI CASTELNUOVO, A. PANERAI, "L'evoluzione delle utilities energetiche nell'era della smart city" in Smart City - L'evoluzione di un'idea., Ferrari G.F. (Ed.), Mimesis Edizioni, 2020

Research Reports

The impact of Covid-19 on Africa's energy sector

DI CASTELNUOVO, M. G., V. ALLEVI, P. CASATI, F. TESFAYE, A. GETAHUN, W. R. MIZAN, D. BILEN, N. HELEN, S. ZIMBA, B. DLAMINI, Y. HAILU, D. PALADINI, A. PASSERO, M. PETROSILLO - "The impact of Covid-19 on Africa's energy sector" - 2020, RES4Africa Foundation - UN Economic Commission for Africa

Stato dell'arte e criticità del mercato elettrico al dettaglio in Italia.

PERRINI, F., M. G. DI CASTELNUOVO, A. BIANCARDI, A. SAPUTO - "Stato dell'arte e criticità del mercato elettrico al dettaglio in Italia." - 2019, SDA Bocconi, Milano, Italy

Electricity Transmission System Operator (TSO)' business models evolution in Europe.

DI CASTELNUOVO, M. G., A. BIANCARDI - "Electricity Transmission System Operator (TSO)' business models evolution in Europe." - 2018, SDA Bocconi, Milano, Italy

Financing the transition to renewable energy in the European Union, Latin America and the Caribbean

VAZQUEZ, M., M. HALLACK, G. ANDREÃO, A. TOMELIN, F. BOTELHO, Y. PEREZ, M. G. DI CASTELNUOVO - "Financing the transition to renewable energy in the European Union, Latin America and the Caribbean" - 2018, EU-LAC Foundation, Hamburg, Germany

Proceedings/Presentations

Corporate renewable energy procurement through PPAs in the United States

DI CASTELNUOVO, M. G., M. DIMITROVA, "Corporate renewable energy procurement through PPAs in the United States" in 3rd AIEE Energy Symposium on Current and Future Challenges to Energy Security: The energy transition - December 10-12, 2018, Milano, Italy

Working Papers

Policy and Regulation for Energy Storage Systems

VAZQUEZ, M., M. G. DI CASTELNUOVO - "Policy and Regulation for Energy Storage Systems" - 2018, Università Commerciale Luigi Bocconi, IEFE Working Paper 106, Italy

Costs and benefits of the Italian smart gas metering programme

DI CASTELNUOVO, M., C. POLETTI, G. CERVIGNI, A. SILEO - "Costs and benefits of the Italian smart gas metering programme" - 2011, Università Commerciale Luigi Bocconi, IEFE, Research Paper, Italy