

Nico Abbatemarco

Lecturer



Knowledge Group: Leadership, Human Resources and Digital Technologies

Research Domains: Digital Transformation

Teaching Domains: High Impact Technologies, Technology Scouting, IT Transformation, Digital Innovation, Cyber Risk Governance

nico.abbatemarco@sdabocconi.it

Biography

Nico Abbatemarco is a Lecturer in the Leadership, Human Resources and Digital Technologies Area at SDA Bocconi School of Management. At SDA Bocconi, Nico is part of the core team of the Digital Enterprise Value and Organization (DEVO) Lab, where he studies Digital Transformation and its impact on organizations. In the DEVO, he works on various projects, including the HIT (High Impact Technology) Radar project, developed in partnership with the Massachusetts Institute of Technology (MIT) to annually chart the most significant digital technologies in the market. Since 2019, Nico is also part of the team behind the EU and US chapters of the Digital Strategies (DSR) and Corporate Information Security (CSR) roundtables, two knowledge sharing initiatives that address respectively Chief Information Officers and Chief Information Security Officers of large global corporations.

At Bocconi University, Nico is co-responsible for the course “Strategy and Governance for Cyber Risk”, the primary module within the homonymous Master of Science program, offered in collaboration with Politecnico di Milano. He is also responsible for the course “The Digital-enabled Business Transformation in Transportation” within the MEMIT (Master in Economics and Management of Transportation, Infrastructures and Logistics), as well as lecturer in courses such as “Blockchain and Crypto Assets” and “IT Consulting”.

His research activities are mainly focused on corporate Cybersecurity strategies and their evolution, Cyber Risk Governance, corporate Digital Transformation, and the analysis of high-impact technologies in the business world (with particular reference to 5G, Internet of Things, Bitcoin and blockchain). He is co-author of the books “The Blockchain Journey: a guide to practical business applications” and “The Post-Digital Enterprise”. In 2018, he won the Best Paper Award at the HICSS conference in the “Move the Field Forward” category.

He holds a Bachelor's Degree in Economics and Finance and a Master's Degree in Management, both from Università Bocconi. He was also a visiting student of International Business at the National Taiwan University in Taipei. Currently, he is a PhD candidate in Management at the University of St. Gallen (HSG), with a planned dissertation focusing on the impact of cybersecurity in organizations, especially those involved in

Proceedings/Presentations

The Good, the Bad, and the Ugly: Analyzing the Impact of Blockchain Technology on Traceability for SMEs

DE ROSSI, L., N. ABBATEMARCO, "The Good, the Bad, and the Ugly: Analyzing the Impact of Blockchain Technology on Traceability for SMEs" in The 58th Hawaii International Conference on System Sciences (HICSS) - January 6-12, 2025, Waikoloa Village, Hawaii, United States of America

A Metaverse Typology: Exploring the Role of Immersivity and Centralization in Driving Value Creation

SALVIOTTI, G., L. DE ROSSI, N. ABBATEMARCO, L. DIAFERIA, "A Metaverse Typology: Exploring the Role of Immersivity and Centralization in Driving Value Creation" in Proceedings of the 57th Annual Hawaii International Conference on System Sciences, January 3-6, 2024, Honolulu, Hawaii, United States of America

Understanding Leadership Competencies in Cyber Crisis Management: Insights from the Maersk Global Supply Chain Meltdown

ABBATEMARCO, N., G. SALVIOTTI, C. D'IGNAZIO, L. DE ROSSI, "Understanding Leadership Competencies in Cyber Crisis Management: Insights from the Maersk Global Supply Chain Meltdown" in Proceedings of the 57th Annual Hawaii International Conference on System Sciences, January 3-6, 2024, Honolulu, Hawaii, United States of America

Cyber Capabilities as Dynamic Capabilities: Meeting the Demands of the Ever-Evolving Cybersecurity Environment

ABBATEMARCO, N., "Cyber Capabilities as Dynamic Capabilities: Meeting the Demands of the Ever-Evolving Cybersecurity Environment" in Proceedings of the 57th Annual Hawaii International Conference on System Sciences, January 3-6, 2024, Honolulu, Hawaii, United States of America

The impact of network expansion, developer's activity and seasonality on the adoption of cryptocurrencies

DE ROSSI, L., N. ABBATEMARCO, "The impact of network expansion, developer's activity and seasonality on the adoption of cryptocurrencies" in ITAIS2024: XXI Conference of the Italian Chapter of AIS - Growing in a Digital and Sustainable Society – October 10-12, 2024, Piacenza, Italy

Will Lightning Network Solve Bitcoin's Issues? Preliminary Evidence on the Impact of Layer2 Solutions on Cryptocurrencies' Adoption in Micro Enterprises

ABBATEMARCO, N., L. DE ROSSI, "Will Lightning Network Solve Bitcoin's Issues? Preliminary Evidence on the Impact of Layer2 Solutions on Cryptocurrencies' Adoption in Micro Enterprises" in ITAIS2024: XXI Conference of the Italian Chapter of AIS - Growing in a Digital and Sustainable Society – October 10-12, 2024, Piacenza, Italy

Understanding the Role of Leadership Competencies in Cyber Crisis Management: A Case Study

SALVIOTTI, G., N. ABBATEMARCO, L. DE ROSSI, K. BJØRNLAND, "Understanding the Role of Leadership Competencies in Cyber Crisis Management: A Case Study" in Proceedings of the 56th Annual Hawaii International Conference on System Sciences, January 3-6, 2023, Maui, Hawaii, United States of America

Stuck in Pilot Purgatory: Understanding and Addressing the Current Challenges of Industrial IoT in Manufacturing

ABBATEMARCO, N., A. GAUR, S. MEREGALLI, "Stuck in Pilot Purgatory: Understanding and Addressing the Current Challenges of Industrial IoT in Manufacturing" in Proceedings of the 55th Annual Hawaii International Conference on System Sciences, January 3-7, 2022, (online)

Beyond a Blockchain Paradox: How Intermediaries Can Leverage a Disintermediation Technology

ABBATEMARCO, N., L. DE ROSSI, A. GAUR, G. SALVIOTTI, "Beyond a Blockchain Paradox: How Intermediaries Can Leverage a Disintermediation Technology" in Proceedings of the 53rd Hawaii International Conference on System Sciences, January 7-10, 2020, Maui, Hawaii, United States of America

Towards a Comprehensive Blockchain Architecture Continuum.

SALVIOTTI, G., N. ABBATEMARCO, L. DE ROSSI, "Towards a Comprehensive Blockchain Architecture Continuum." in Proceedings of the 52nd Hawaii International Conference on System Sciences, 2019, Grand Wailea, Maui, United States of America

A Structured Framework to Assess the Business Application Landscape of Blockchain Technologies

SALVIOTTI, G., L. DE ROSSI, N. ABBATEMARCO, "A Structured Framework to Assess the Business Application Landscape of Blockchain Technologies" in The 51st Hawaii International Conference on System Sciences - January 2-6, 2018, Waikoloa Village, Hawaii, United States of America

An econometric model to estimate the value of a cryptocurrency network: the Bitcoin case.

SALVIOTTI, G., L. DE ROSSI, N. ABBATEMARCO, "An econometric model to estimate the value of a cryptocurrency network: the Bitcoin case." in Proceedings of 26th European Conference on Information Systems, 2018, Portsmouth, Great Britain

Other

For a digital euro that citizens will embrace - Per un euro digitale che piaccia ai cittadini

CASELLI, S., G. GABBI, L. DE ROSSI, N. ABBATEMARCO, M. RUSSO, S. MORETTI, "For a digital euro that citizens will embrace - Per un euro digitale che piaccia ai cittadini", SDA Bocconi Insight, 1 October 2025

Contribution to Chapters, Books or Research Monographs

The Impact of Network Expansion, Developer's Activity and Seasonality on the Adoption of Cryptocurrencies

DE ROSSI, L., N. ABBATEMARCO, "The Impact of Network Expansion, Developer's Activity and Seasonality on the Adoption of Cryptocurrencies" in Technologies for Organizations and Society., Michele Cipriano, Alessandra Lazazzara, Leonardo Caporarello (Eds.), Springer Cham, pp. 329-345, 2025

A Tool for the Boardroom: The Devo Lab Hit Radar

ABBATEMARCO, N., "A Tool for the Boardroom: The Devo Lab Hit Radar" in The Post-Digital Enterprise., Gianluigi Castelli, Severino Meregalli, Ferdinando Pennarola (Eds.), Springer International Publishing, chap. 6, pp. 89-111, 2022

Digital Infrastructure & Internet of Things

ABBATEMARCO, N., "Digital Infrastructure & Internet of Things" in HIT Radar – General Report - Third Edition., Salviotti G., Meregalli S. (Eds.), Egea, pp. 55-79, 2019

Human Augmentation & Internet of Things

ABBATEMARCO, N., "Human Augmentation & Internet of Things" in HIT Radar – General Report - Second Edition., Salviotti G., Meregalli S. (Eds.), Egea, pp. 43-60, 2018

Articles in Scholarly Journals

Identifying and Filling Gaps in Operational Technology Cybersecurity

ABBATEMARCO, N., H. C. BRECHBUHL, "Identifying and Filling Gaps in Operational Technology Cybersecurity", MIS Quarterly Executive, 2024, vol. 23, no. 4, pp. 413-428

Blockchain technology in healthcare: Do we really need it?

BISSACCO, D., F. M. CARRANO, L. DE ROSSI, N. ABBATEMARCO, N. DI LORENZO, R. CASANA, P. SILERI, "Blockchain technology in healthcare: Do we really need it?", Health Policy and Technology, 2023, vol. 12, no. 1, pp. 100716

Cybersecurity e aziende: se il virus peggiore è la mentalità - Cybersecurity and organizations: When the worst virus is the mindset

ABBATEMARCO, N., "Cybersecurity e aziende: se il virus peggiore è la mentalità - Cybersecurity and organizations: When the worst virus is the mindset", Economia & Management, 2023, no. 3, pp. 61-65

La sfida nascosta della trasformazione digitale - The Hidden Challenge of Digital Transformation

BRECHBUHL, H. C., N. ABBATEMARCO, "La sfida nascosta della trasformazione digitale - The Hidden Challenge of Digital Transformation", Economia & Management, 2020, no. 2, pp. 54-59

5G: infrastruttura in cerca d'autore - 5G: an infrastructure seeking for an author

ABBATEMARCO, N., G. SALVIOTTI, "5G: infrastruttura in cerca d'autore - 5G: an infrastructure seeking for an author", Economia & Management, 2019, no. 4, pp. 65-71

Research Reports

Hyper Performing Computing

DE ROSSI, L., N. ABBATEMARCO, S. MEREGALLI, G. V. CASTELLI - "Hyper Performing Computing" - 2020, DEVO Lab - SDA Bocconi School of Management, Milan, Italy

HIT Radar Application Focus: Industrial Operations

SALVIOTTI, G., L. DE ROSSI, N. ABBATEMARCO - "HIT Radar Application Focus: Industrial Operations" - 2019, Economia & Management Plus, Milano, Italy

HIT Radar Application Focus: Legal & Security

SALVIOTTI, G., S. CAVALLAZZI, N. ABBATEMARCO - "HIT Radar Application Focus: Legal & Security" - 2019, Economia & Management Plus, Milano, Italy

HIT Radar Application Focus: Back Office

SALVIOTTI, G., S. CAVALLAZZI, N. ABBATEMARCO - "HIT Radar Application Focus: Back Office" - 2019, Economia & Management Plus, Milano, Italy

HIT Radar Application Focus: HR

SALVIOTTI, G., N. ABBATEMARCO - "HIT Radar Application Focus: HR" - 2019, Economia & Management Plus, Milano, Italy

Exploiting Blockchain

ABBATEMARCO, N., L. DE ROSSI, G. SALVIOTTI - "Exploiting Blockchain" - 2017, DEVO Lab - SDA Bocconi School of Management, Milan, Italy

Cases in International Case Collections

Vibram: Customer Centricity at the Core of Digital Transformation and New Business Model

MANDELLI, A., G. SALVIOTTI, C. PIANCATELLI, N. ABBATEMARCO - "Vibram: Customer Centricity at the Core of Digital Transformation and New Business Model" - 2020, The Case Centre, Great Britain

Practice-Oriented Books

The Blockchain Journey. A guide to practical business applications.

SALVIOTTI, G., L. DE ROSSI, N. ABBATEMARCO - "The Blockchain Journey. A guide to practical business applications." - 2018, Bocconi University Press - BUP, Milano, Italy