

ALESSANDRO PIVA

PROFESSIONAL PROFILE

Senior Director at Osservatori Digital Innovation, Politecnico di Milano, with nearly 20 years of experience in Digital Transformation. An expert in Artificial Intelligence, Cybersecurity, Cloud, Big Data and Quantum Computing, I have developed an integrated vision of digital innovation through research, teaching, consultancy, and public speaking.

WORK EXPERIENCE

Osservatori Digital Innovation – School of Management, Politecnico di Milano (2006 – Present)

Throughout my career at the Digital Innovation Observatories, I have led and coordinated numerous strategic projects that have shaped the digital transformation landscape. My work focuses on key areas such as Artificial Intelligence, Cybersecurity, Cloud, Big Data and Quantum Computing, collaborating with companies and institutions to fully harness the potential of emerging technologies.

For instance, I launched the European Digital Tech Watch (since 2025), an observatory dedicated to monitoring technological trends in Europe and analyzing their impact on the market and public policies. With the Artificial Intelligence observatory (since 2017), I focused on exploring business applications of AI, supporting companies in its responsible and innovative adoption. The Big Data & Business Analytics observatory (since 2013) leverages data as a strategic asset by providing tools and methodologies for extracting actionable insights.

In the field of security, I led the Cybersecurity & Data Protection observatory (since 2015), aimed at helping companies understand and tackle challenges related to data protection and cybersecurity. More recently, I launched the Quantum Computing & Communication project (since 2022), which explores the potential of quantum computing and secure communications. Additionally, the Cloud Transformation observatory (since 2011) examines how the cloud can drive digital transformation, while the Software & Digital Native Innovation (since 2025) and Intelligent Business Process Automation (since 2024) projects focus on software evolution as an innovation driver and on the intelligent automation of business processes.

TEACHING & TRAINING (since 2010)

I serve as a lecturer at GSOM – Polimi Graduate School of Management, where I have delivered courses and masters focused on Analytics, Hyper-Automation, Artificial Intelligence, Cloud Computing and Cybersecurity. My academic experience centers on imparting the skills needed to drive digital transformation in business and institutional settings.

PUBLIC SPEAKING & RECOGNITION

- TED Speaker, with over 200 presentations at corporate conferences on digital transformation topics.
- Quoted in numerous articles in both general and industry-specific media.

CONSULTANCY & SUPPORT

Throughout my career, I have collaborated with numerous cloud providers and organizations across various sectors, offering strategic consultancy to drive digital transformation. My work spans market competitiveness analyses, partner selection, organization of innovative workshops, and comparative studies. Additionally, I support companies in the selection and qualification process for M&A operations, helping to identify and capitalize on potential growth opportunities. These experiences have allowed me to develop an integrated vision of market dynamics, translating emerging technologies into concrete business solutions.

EDUCATION & TRAINING

- Executive MBA – ICT

MIP, Politecnico di Milano (November 2006 – January 2009)

- Professional Qualification as Information Engineer

Politecnico di Milano (November 2006)

- Master's Degree in Management Engineering (Supply Chain Management)

Politecnico di Milano, Milan Leonardo Campus (March 2004 – April 2006)

- Bachelor's Degree in Telecommunications Engineering
Politecnico di Milano, Milan Leonardo Campus (September 2000 – March 2004)

BUSINESS AND INNOVATION PUBLICATIONS (LAST 2 YEARS)

2025

- 27/03/2025 – Cyber Index PMI, la cultura digitale protegge la tua azienda – Osservatori Digital Innovation, Politecnico di Milano, Generali Italia, Confindustria, ACN.
- 18/03/2025 – Trustworthy AI: Practices and challenges for enterprises adopting AI – Osservatori Digital Innovation, Politecnico di Milano.
- 11/03/2025 – Process Intelligence & Automation: dove si trovano le aziende italiane nel 2024 – Osservatori Digital Innovation, Politecnico di Milano.
- 27/02/2025 – Lo scenario della cybersecurity in Italia nel 2024 – Osservatori Digital Innovation, Politecnico di Milano.
- 06/02/2025 – L'adozione dell'Artificial Intelligence nel 2024: Italia a confronto con l'Europa – Osservatori Digital Innovation, Politecnico di Milano.

2024

- 26/11/2024 – The national and international scenario of Quantum Computing & Communication – Osservatori Digital Innovation, Politecnico di Milano.
- 05/11/2024 – Data Strategy per la valorizzazione dei Dati: mercato e maturità delle aziende italiane nel 2024 – Osservatori Digital Innovation, Politecnico di Milano.
- 22/10/2024 – Fondi e strategie governative sulle Quantum Technologies nel mondo – Osservatori Digital Innovation, Politecnico di Milano.
- 03/10/2024 – La Cloud transformation in Italia nel 2024 – Osservatori Digital Innovation, Politecnico di Milano.
- 11/09/2024 – Lo sviluppo di Proof of Concept di Quantum Computing – Osservatori Digital Innovation, Politecnico di Milano.
- 25/07/2024 – Comunicare in modo efficace la cybersecurity ESG e gestione degli incidenti – Osservatori Digital Innovation, Politecnico di Milano.
- 19/06/2024 – Artificial intelligence e cybersecurity: gli impatti per la società e per le organizzazioni – Osservatori Digital Innovation, Politecnico di Milano.
- 10/06/2024 – Generative AI: dall'Hype mediatico alle opportunità per le imprese – Osservatori Digital Innovation, Politecnico di Milano.
- 03/06/2024 – Il Data Strategy Journey – Osservatori Digital Innovation, Politecnico di Milano.
- 10/05/2024 – Artificial Intelligence: oltre la tecnologia – etica, sostenibilità e impatti sul mondo del lavoro – Osservatori Digital Innovation, Politecnico di Milano.
- 18/04/2024 – La Data Value Chain e l'evoluzione dell'offerta Data Management & Analytics – Osservatori Digital Innovation, Politecnico di Milano.
- 08/04/2024 – Un nuovo modello di Cloud financial management: a che punto sono le aziende italiane? – Osservatori Digital Innovation, Politecnico di Milano.
- 22/02/2024 – Lo scenario della cybersecurity in Italia nel 2023 – Osservatori Digital Innovation, Politecnico di Milano.
- 02/02/2024 – Artificial Intelligence in Italia nel 2023: dopo un anno di ChatGPT come è cambiato il contesto nazionale – Osservatori Digital Innovation, Politecnico di Milano.

LANGUAGE SKILLS

- Italian: Native
- English: C1 level (reading, writing, speaking)

NOTES

I authorize the processing of personal data in accordance with Legislative Decree 196/2003 and GDPR 679/16.