1. ONE PAGE SUMMARY

Name: Luigi Jesus

Surname: Basile

Birth: 13/05/1996

PhD Program Institution: Polytechnic University of Bari (Italy)

Area Of Interest: Innovation and Technology management

Year of Entry into PhD Program: November 2020

Year of Completion PhD Program: December 2023

Current Position: Assistant Professor in Strategy at Institut Mines-Telecom Business School (IMT-BS), France.

E-mail: luigi-jesus.basile@imt-bs.eu

Faculty Member Letter of Recommendation:

Grazia Cecere, *Director of Research at the Institut Mines Télécom, Business School, grazia.cerere@imt-bs.eu*

2. CURRICULUM VITAE

LUIGI JESUS BASILE

luigi-jesus.basile@imt-bs.eu| +39 3208853131|linkedin.com/in/luigijesusbasile

Research keywords: e-Health, Business Models in Health Industry and Digital Transformation

EDUCATION

Politecnico di Bari **Bari, IT**
PhD in Management Engineering 11/2020-12/2023

- *Title*: "Data-Driven Decision Making in Healthcare: Unveiling the Potential of Digital Transformation in Healthcare Organizations"
- *Advisors*: Professor Nunzia Carbonara, Professor Umberto Panniello, Professor Roberta Pellegrino

Politecnico di Bari **Bari, IT**
Master of Science in Management Engineering, Major in Business Administration. 10/2018-10/2020
110/110 cum laude

- Thesis in Business Intelligence: "Healthcare Business Intelligence Models: Overview, Analysis and Application of a Model in the Oncology Branch".
- *Relevant Courses*: Business Intelligence, Marketing and Customer Analytics, Strategy, Industrial Production Management, Business Process Management, Supply Chain Management.
- *Industrial Courses*: Lean Production by "Bosch GmbH", Human Resource Management by "Acquedotto Pugliese Spa".

Karlsruhe Institute of Technology **Karlsruhe, GE**
Master of Science in Management Engineering 09/2019-03/2020

- *Relevant Courses*: Valuation In Finance, Financial Accounting, Web of Science, Quantitative Methods in Energy Markets, Risk Management in Industrial Supply Network.

Politecnico di Bari **Bari, IT**
Bachelor of Science in Management Engineering, Major in Industrial Engineering. 10/2015-10/2018
110/110

- Thesis in Project Management: "Spreading of electronic micropayment systems".
- *Relevant Courses*: Project Management, Real Estate Appraisal, Corporate Management, Optimization Models.

TEACHING ACTIVITIES

Institut Mines-Telecom Business School (IMT-BS) **Île-de-France, FR**
Assistant Professor 09/2024-ongoing

- *Strategy*
- *Innovation Management*
- *Business Intelligence*

Politecnico di Bari **Bari, IT**
Teaching Assistant 10/2022-08/2024

- *Risk Management*
- *Business Administration*
- *Management*

RESEARCH ACTIVITIES

Institut Mines-Telecom Business School (IMT-BS) **Île-de-France, FR**
Assistant Professor *09/2024-ongoing*

- *Research Topic: Digital Health, Digital Transformation, Supply chain risk management*

Politecnico di Bari **Bari, IT**
Research Fellow for Politecnico di Bari in collaboration with "Ente Eclesiastico Miulli" *08/2022-02/2023*

- *Research Topic: "*How Business intelligence can reduce the uncertainty in the decision-making process in Healthcare industry"

Politecnico di Bari **Bari, IT**
Research Fellow for Politecnico di Bari in collaboration with ENEA (National Agency for New Technologies, Energy and Sustainable Economic Development) *12/2020-12/2021*

- *Research Topic*: Innovative risk management and decision-making techniques for resilient critical infrastructures.

Politecnico di Bari **Bari, IT**
Internship in Project Management *03/2018-07/2018*

- *Activity*: Scope management in Apparel Retail

LANGUAGE SKILLS

	Writing	Speaking	Listening
English	C1	B2	C1
French	A1	A1	A2

INFORMATIC SKILLS

Programming Language: Python, R
Software: Ms Excel, Ms PowerPoint, Ms Word, MySQL, WEKA, Aris Express.
Operating System: Windows, OSX

SCIENTIFIC PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. *Basile, L. J., Carbonara, N., Panniello, U., & Pellegrino, R. (2024). How Can Technological Resources Improve the Quality of Healthcare Service? The Enabling Role of Big Data Analytics Capabilities.* ***IEEE Transactions on Engineering Management [ABS journal raking, 3]****, 71, 5771-5781.*
2. *Basile, L. J., Carbonara, N., Panniello, U., & Pellegrino, R. (2024). The role of big data analytics in improving the quality of healthcare services in the Italian context: The mediating role of risk management.* ***Technovation [ABS journal raking, 3],*** *133, 103010.*
3. *Basile, L. J., Carbonara, N., Pellegrino, R., Panniello, U. (2023). Business intelligence in healthcare: Using a data-driven approach to support clinical decision making.* ***Technovation [ABS journal raking, 3],*** *102482.*

3. ONE PAGE ESSAY

Dear Admissions Committee,

I am writing to express my keen interest in attending the "*Entrepreneurship Research Boot Camp*" at the *National Bureau of Economic Research* (NBER). As an industrial engineer with a PhD in management and mechanical engineering, completed in December 2023 at the Polytechnic University of Bari (Italy), my research has primarily focused on digital transformation in healthcare and supply chains, particularly in data-driven decision-making and risk management. I have published my work in domain-specific journals such as Technovation and IEEE Transactions on Engineering Management, where I have explored the role of big data analytics in enhancing healthcare service quality and supply chain resilience. However, I aim to develop my research approach and theoretical contributions further and publish them in leading technology management journals. Attending the Boot Camp would provide invaluable insights into the entrepreneurial dimensions of technological innovation, equipping me with the frameworks and methodologies needed to elevate my research to the highest academic standards.

In September 2024, I joined Institut Mines-Télécom Business School as an assistant professor of strategy, where I have been teaching courses in strategy, innovation management, and business intelligence. This experience has further deepened my engagement with economic theory and entrepreneurship, reinforcing my desire to explore how strategic decision-making and digital transformation intersect with entrepreneurship and economic development.

Through my teaching and exposure to new academic discussions, I have developed a strong appreciation for the intricate connections between strategy, economic theory, and entrepreneurial finance. This newfound interest has driven me to seek opportunities to expand my research into entrepreneurship, particularly in understanding how digital transformation influences entrepreneurial ecosystems and business growth. Given the rapid pace of technological change, I am eager to explore how digital strategies shape new venture success, investment dynamics, and broader economic development.

Although I recognize that the Entrepreneurship Research Boot Camp is primarily designed for PhD students, I completed my PhD in December 2023, having started my doctoral studies in November 2020. I firmly believe that this boot camp represents a unique opportunity to explore these critical topics further and integrate them into my evolving research agenda. The program's intensive format, with lectures from leading scholars, will provide me with a solid foundation in entrepreneurship and entrepreneurial finance economics. I am eager to engage with experts who have significantly contributed to studying entrepreneurial ecosystems, firm growth, and innovation policy.

Thank you for your time and consideration. I would be honored to have the opportunity to participate in this program and look forward to the possibility of contributing to and learning from this esteemed academic community.

Sincerely,

Luigi Jesus Basile