

CURRICULUM VITAE

Riccardo Patriarca, PhD

ACADEMIC ROLES

- since 10/2024 **Associate Professor** at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.
- since 2023 **Member of the Tutoring Committee**, teaching board of Mechanical Engineering, at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.
- since 2023 **Member of the Quality Assurance Committee**, teaching board of Aerospace Engineering, at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.
- since 2026 **Member of the Teaching-Scientific Committee of the 2nd Level** Master in “Business and technology management” at Sapienza University of Rome.
- since 2023 **Member of the Teaching-Scientific Committee of the 2nd Level** Master in “Aviation Industry Management and Operations - AvIMO” at Sapienza University of Rome.
- 2023-2026 **Member of the Teaching-Scientific Committee of the 2nd Level** Master in “Management of Complex systems for the Defence” at Sapienza University of Rome.
- 2022-2023 **Member of the Teaching-Scientific Committee of the 2nd Level** Master in “Logistics and communication services for complex systems” at Sapienza University of Rome.
- since 02/2022 **Member of the PhD Council** in Industrial and Management Engineering at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.
- 10/2021-10/2024 **Tenure Track Assistant Professor (RTDB)** at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.
- 03/2018-10/2021 **PostDoc Researcher** at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.
- 06/2014-02/2018 **Research Assistant** at Sapienza University of Rome, Faculty of Civil and Industrial Engineering, Department of Mechanical and Aerospace Engineering.

EDUCATION AND QUALIFICATIONS

- 2023 **National Scientific Qualification as Full Professor** in the scientific field: Industrial Systems Engineering (Impianti Industriali Meccanici, IIND-05/A; ING/IND 17).
- 2018 **National Scientific Qualification as Associate Professor** in the scientific field: Industrial Systems Engineering (Impianti Industriali Meccanici, ING/IND 17).
- 2017 **PhD (Doctor Europaeus) in “Industrial and Management Engineering”** at Sapienza University of Rome (Italy) - Department of Mechanical and Aerospace Engineering in collaboration with Lund University (Sweden) - Division of Risk Management and Societal Safety. Thesis: “Developing risk and safety management methods for complex socio-technical systems: From Newtonian reasoning to Resilience Engineering”.
- 2016 **Visiting PhD Student** at Lund University (Sweden) – Division of Risk Management and Societal Safety.
- 2014 **MSc in Aeronautical Engineering** at Sapienza University of Rome (Italy).
- 2011 **BSc in Aerospace Engineering** at Sapienza University of Rome (Italy).

TEACHING ACTIVITIES

- 10/2021-today **Associate Professor**
Sapienza University of Rome (Italy), Faculty of Civil and Industrial Engineering
(since a.y. 2023-2024): “Human Factors” for the MSc in Aeronautical Engineering (in English). (6ECTS) – chair holder; responsible for the sub-module of “Human performance management in aviation” (3ECTS).
(since a.y. 2023-2024): “Operations Management” for the MSc in Mechanical Engineering (in Italian - Gestione degli Impianti Industriali). (9ECTS)
(since a.y. 2023-2024): “Aviation regulations and safety management” for the MSc in Aeronautical Engineering (in English). (6ECTS) – chair holder; responsible for the sub-module of “Aviation safety management” (3ECTS).
- 10/2021-today **Assistant Professor**
Sapienza University of Rome (Italy), Faculty of Civil and Industrial Engineering
(since a.y. 2023-2024): “Operations Management” for the MSc in Mechanical Engineering (in Italian - Gestione degli Impianti Industriali). (9ECTS)

(a.y. 2021-2023): “Operations management” for the MSc in Management Engineering (in English). (9ECTS)
(a.y. 2021-2023): “Operations management” for the MSc in Mechanical Engineering (in English). (6ECTS)
(a.y. 2021-2023): “Aviation regulations and safety management” for the MSc in Aeronautical Engineering (in English). (6ECTS) – chair holder; responsible for the sub-module of “Aviation safety management” (3ECTS).

02/2019-today

Adjunct Professor

Sapienza University of Rome (Italy), Faculty of Civil and Industrial Engineering

(a.y. 2019-2021): “Operations management” for the MSc in Mechanical Engineering (in English). (6ECTS)

(a.y. 2018-2019): “Industrial Plants” for the BSc in Mechanical Engineering. (3ECTS)

Universitas Mercatorum (Italy)

(a.y. 2020-2021): “Risk Management in infrastructures and production systems” for the MSc in Management Engineering. (9ECTS)

11/2015-today

Lecturer

Sapienza University of Rome - Centro Alti Studi Difesa (CASD)

2025: “Disaster management, Critical Infrastructure Management” for the Postgraduate course in “Defense and Resilience strategies of complex and state-level organizations”.

EUROCONTROL Aviation Learning Center in Luxembourg

since 2022: “Weak Signals: Theoretical foundations”.

since 2022: “Weak Signals in high-risk industries: Practical applications”.

Police Academy – Scuola Superiore di Polizia in Rome

since 2022: “Processes Management”.

Italian military training center - CEFLI (Centro di Formazione Logistica Interforze)

2019-2022: “Fundamental of Maintenance Management” for the ONU/NATO/EU Course on Logistics.

Italian Quality Culture Association - AICQ (Associazione Italiana Cultura Qualità)

2019-2020: “Risk Management”.

Sapienza University of Rome (Italy) – INAIL (National Institute for Insurance against Accident at Work).

since 2021: “Safety-I and Safety-II” for the Second level Master Degree in “Health and Safety Systemic management in the evolving work domain”.

(a.y. 2017-2018): “Resilience Engineering for complex socio-technical systems” for the Second level Master Degree in “Health and Safety Systemic management in the evolving work domain”.

Sapienza University of Rome (Italy)

since 2021: “Advanced methods for maintenance” – Course on Maintenance Management (GeMan)

(a.y. 2017-2018): “Reliability in aviation” for the “Flight Safety and airworthiness – a master’s programme”, in relation to the 561989-EPP-1-2015-1-UK-EPPKA2-CBHE-JP - ERASMUS+ CBHE funding scheme.

Sapienza University of Rome (Italy), Faculty of Information, Electronics, and Telecommunications Engineering.

(a.y. 2023-2024): “Risk and resilience management” for the Second Level Master Degree in “Management of Complex systems for Defense”. (1ECTS)

(a.y. 2022-2023): “Availability and failure modes” for the Second Level Master Degree in “Logistic and communication services for Complex systems”. (2ECTS)

(a.y. 2021-2022): “Availability and failure modes” for the Second Level Master Degree in “Logistic and communication services for Complex systems”. (4ECTS)

(a.y. 2017-2018): “Availability and Maintainability” for the Second Level Master Degree in “Logistic and communication services for Complex systems”. (2ECTS)

(a.y. 2017-2018): “Maintenance Policies” for the Second Level Master Degree in “Logistic and communication services for Complex systems”. (1ECTS)

(a.y. 2016-2018): “Quality Management” for the Second Level Master Degree in “Logistic and communication services for Complex systems”. (2ECTS)

(a.y. 2015-2019): “Supply Chain Management” for the Second Level Master Degree in “Logistic and communication services for Complex systems”. (3ECTS)

11/2017-2021

Guest Lecturer

Lund University (Sweden), Faculty of Engineering.

(a.y. 2017 - 2020): “Risk assessment in the safety area” for the Master of Science in “Risk Management”.

(a.y. 2017 - 2021): “Research Methodologies: Modelling (and visualising) the dynamics of high-risk systems” for the Master of Science in “Human Factors and System Safety”.

11/2014-2017 **Tutor and Teaching Assistant**
Sapienza University of Rome (Italy), Faculty of Civil and Industrial Engineering and Faculty of Information Engineering, Informatics, and Statistics.
(a.y. 2014 - 2017): “Operations Management”; “Quality Management”; “Industrial plants” for the MSc and BSc in Mechanical Engineering, and for the BSc and MSc in Management Engineering.

ASSOCIATIONS AND QUALIFICATIONS

since 2024 **Chair**, Technical Committee on Resilience Engineering - International Ergonomics Association (IEA) – nominated after public elections.
2022-2024 **Co-Chair**, Technical Committee on Resilience Engineering - International Ergonomics Association (IEA)
since 2022 **Member of AIDI** – Italian Association of Operations Management Professors
since 2019 **Advisory Board** of the **Lifeboat Foundation**, Member of the Complex Systems, Engineering and Space Settlement Boards
2019 **Innovation Manager** of Italian Ministry of Economic Development
2017 **Six Sigma Green Belt** Certification – Sapienza University of Rome
2016-2019 **Member of BIS**-Italy (British Interplanetary Society)
2014-2022 **Junior Member of AIDI**– Italian Association of Operations Management Professors

PUBLICATIONS (updated ^{sh}December 2025)

SCOPUS	GOOGLE SCHOLAR
h-index: 31	h-index: 37
Documents: 153	I10-index: 80
Total citations: 3409	Total citations: 5017

Editorial Board Memberships

since 2018 Cogent Engineering (Taylor & Francis), Editor
2023-2024 Frontiers in Health Services (Frontiers), Review Editor
since 2023 Frontiers in Smart Manufacturing (Frontiers)
since 2021 Human Factors in Healthcare (Elsevier), Editor
since 2025 Human-Intelligence Systems Integration (Springer)
since 2023 International Journal of Artificial Intelligence (AI) in Business and Management (IJAIBM)
since 2021 International Journal of Business Intelligence Research (IGI Global)
since 2023 International Journal of Risk and Contingency Management (IGI Global)
2017-2019 Journal of Safety Studies (MacroThink)
since 2020 Reliability Engineering & System Safety (Elsevier)
since 2020 Safety Science (Elsevier)
since 2020 WUT Journal of Transport Engineering (Warsaw University of Technology)

Guest Editor

2024 Guest Editor – Journal of Safety and Sustainability (Elsevier) Special Issue: Safety 5.0: Safety management in sustainable, human-centric, and resilient industrial systems. *Ongoing*.
2023 Guest Editor – Applied Ergonomics (Elsevier) Special Issue: Digital Technologies Supportive of Resilient Performance in Socio-Technical Systems: A Human Factors and Ergonomics Perspective - Applied Ergonomics. *Ongoing*.
2023 Guest Editor - Applied Science (MDPI) Special Issue: Deep Learning in Supply Chain and Logistics. *In Corso*.
2021 Guest Editor - Journal of Loss Prevention in the Process Industry (Elsevier) per lo Special Issue: Harmonising Occupational and Process Safety: a myth or a good safety management practice? *Published: February 2023*.
2020-2021 Guest Editor - Safety Science (Elsevier) per lo Special Issue: Meta-learning peculiarities and approaches for facing safety issues and enhancing risk management process. *Published: March 2023*
2020-2021 Guest Editor - Infrastructures (MDPI), per lo Special Issue: Infrastructure Resilience in Emergency Situations. *Published: January 2023*
2019-2020 Guest Editor - Sustainability (MDPI), per lo Special Issue: Inventory Management for Sustainable Industrial Operations. *Published: May 2023*.
2018-2019 Guest Editor - Complexity (Hindawi), per lo Special Issue: Modelling and Quantification of Resilience in Complex Engineering Systems. *Published: June 2019*.
2018-2019 Guest Editor - Sustainability (MDPI), per lo Special Issue: Resilience Engineering for Sustainability: Methodological Approaches and Practical Experience. *Published: February 2020*.

LANGUAGES

Italian: mother tongue

English: C2

French: B1

Rome, 10 Gennaio 2025

Riccardo PATRIARCA

(firma autografa omessa ai sensi dell'art. 3 del d.lgs 39/1993)