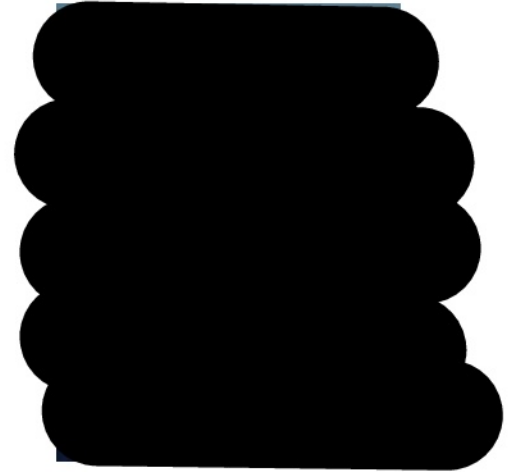


**Name:** Paolo TRUCCO

**Work Address:** Politecnico di Milano, Department of Management,  
Economics and Industrial Engineering  
Via Lambruschini 4b – 20156 Milan (ITALY)

**Web:** [www.som.polimi.it](http://www.som.polimi.it)



## Summary

Paolo Trucco is Full Professor of Industrial Risk Management at Politecnico Di Milano, Department of Management, Economics and Industrial Engineering. He is member of the Board of Directors of the School of Management and Director of the Joint ExePhD Programme in Innovation with the Tsinghua University. Paolo Trucco is also Director of the Centre for Risk and Resilience Management of Complex Socio-Technical Systems, Scientific Director of the Space Economy Observatory and Member of the Executive Board of the Centre for Technology Foresight (Politecnico di Milano).

Paolo was educated at Politecnico di Milano, where he completed a Laurea degree programme (5 years) in Industrial Engineering with distinction, and University of Florence, where he received a DPhil in Engineering Science (Doctoral Programme in Quality Engineering).

Paolo's main research interests are:

- Risk Management and Resilience of complex socio-technical systems with applications in the energy, transportation, healthcare sectors, and Critical Infrastructure in general;
- Supply Chain Risk Management and Resilience in the context of Climate Change and Circular Economy, with a particular emphasis on modelling tools and quantitative analysis;
- Governance and platform approaches to Complex Project Business in the Energy, NewSpace and transport sectors;
- Operations management in ETO and EPC businesses, with a focus on procurement and supply management, modularisation in the plant life cycle;
- Integration of OHS Performance Management in World Class Manufacturing programmes.
- Industrial Eco-efficiency: energy and resource efficiency, Product Recovery Network planning and management, and product-system life cycle management.

He is author of more than 280 scientific publications and in recent years he has been involved, as scientific coordinator or principal investigator, in six research projects, at national and European level, on Critical Infrastructure Protection and Operational Resilience.

Paolo is Coordinator of the Executive Board and founding member of CIRINT.NET (the Critical Infrastructure Resilience International Network), member of the Board of AIDI (The Italian Association of Industrial Engineering Academics), and member of the Board of ANIMP (Italian Association of Industrial Plant Engineering). He is member of ESRA (the European Safety and Reliability Association) and of the Italian Chapter of TIEMS (The International Emergency Management Society).

Paolo is scientific advisor of DG Home Affairs (European Commission) and of the Lombardy Region Government (Italy) for the development of Regional Programmes on Critical Infrastructure Resilience. He is member of the Healthcare Risk Management Committee and of the Regional Observatory on Circular Economy and Energy Transition of the Lombardy Region Government.

## Education and Qualifications

- 2005: Politecnico di Milano**  
*Department of Management, Economics and Industrial Engineering*  
Associate Professor.
- 2001: Politecnico di Milano**  
*Department of Mechanical Engineering*  
Assistant Professor.
- 1999: Politecnico di Milano**  
*Department of Mechanical Engineering*  
Junior Research Fellow.
- 1999: University of Florence**  
DPhil(Engineering Science) in Quality Engineering.  
Dissertation: "A Life Cycle Approach to Eco-Efficiency Integration in World-class Operations" (in Italian: "Progettare la qualità ambientale del sistema produttivo – Un approccio life cycle per il miglioramento e l'integrazione dell'eco-efficienza").
- 1994: Politecnico di Milano.**  
Laurea degree in Industrial Engineering (5 years).  
Awarded of the ANIMP (Italian Association of Industrial Plant Engineering) Annual Prize for the best thesis.

## Current Position

- 2014-date: Politecnico di Milano**  
*Department of Management, Economics and Industrial Engineering*  
Full Professor of Industrial Risk Management
- Deputy Academic Director, Faculty Affairs of the Department of Management, Economics and Industrial Engineering (since January 2023)
  - Head of the Center for Risk and Resilience Management of Complex Systems ([www.r2macs.com](http://www.r2macs.com)), School of Management.
  - Member of the Scientific Board of the Centre for Technology Foresight, Politecnico di Milano.
  - Director of the joint ExePhD Programme in Innovation with the Tsinghua University.
  - Scientific Director of the Observatory on Space Economy, School of Management.
  - Co-Director of the Executive Programme on Space Economy, POLIMI Graduate School of Management.

## Academic Experience

### *Member of evaluation committees:*

- 2016-2018: Italian National Scientific Qualification for Associate and Full Professors  
Sector: 09/B - MANUFACTURING, INDUSTRIAL AND MANAGEMENT ENGINEERING

### *Visiting Positions:*

- 1997-1999: University of Michigan  
*Center for Sustainable Systems (formerly NPPC)*  
Visiting Researcher in Industrial Eco-efficiency

### *Journal Editorial Boards and services*

- 2014-date: Direccion Y Organizacion - Revista de Ingenieria de Organizacion, CEPADE. ISSN 1132-175X (Scopus). Memembr of the Editorial Advisory Board
- 2015-date: Reliability Engineering and System Safety. Elsevier (Scopus, WoS).  
Outstanding Reviewer Status

## Prof. Paolo TRUCCO

### *Conference Organization*

- 2023 AHFE 2023 International Conference on Human Factors and Systems Interaction, Jul 20 – Jul 24, 2023, San Francisco (USA). Member of the Technical Committee.  
2023 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD 2022), November 22 – 24 November, 2022, Rabat, Morocco. Member of the Technical Programme Committee.
- 2022 AHFE 2022 International Conferences on Human Factors and Ergonomics in Healthcare and Medical Devices, Jul 24 - 28, 2022, New York, USA. Member of the Technical Committee.  
AHFE 2022 International Conference on Human Factors and Systems Interaction, July 24–28, 2022, New York, USA. Member of the Technical Committee.  
2022 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD 2022), November 23 – 25 November, 2022, Marrakech, Morocco. Member of the Technical Programme Committee.
- 2021 AHFE 2021 International Conferences on Human Factors and Ergonomics in Healthcare and Medical Devices, July 25–29, 2021, On-line. Member of the Technical Committee.  
AHFE 2021 International Conference on Human Factors and Systems Interaction, July 25–29, 2021, On-line. Member of the Technical Committee.  
2021 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD 2021), 24 – 26 November, 2021, Marrakech, Morocco. Member of the Technical Programme Committee.
- 2020 AHFE 2020 International Conferences on Human Factors and Ergonomics in Healthcare and Medical Devices, July 16–20, 2020, San Diego, CA, USA. Member of the Technical Committee.  
AHFE 2020 International Conference on Human Factors and Systems Interaction, July 16–20, 2020, San Diego, CA, USA. Member of the Technical Committee.  
Summer School F. Turco - Industrial Systems Engineering “Augmented Knowledge - A new era of industrial systems”, September 9-11, 2020, Brescia, Italy. Member of the Editorial Board of the Proceedings.  
2020 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD), 24 – 27 November, 2020. Marrakech, Morocco. Member of the Technical Programme Committee.
- 2019 AHFE 2019 International Conferences on Human Factors and Ergonomics in Healthcare and Medical Devices, July 24–28, 2019, Washington D.C., USA. Member of the Technical Committee.  
AHFE 2019 International Conference on Human Factors and Systems Interaction, July 24–28, 2019, Washington D.C., USA. Member of the Technical Committee.
- 2018 AHFE 2018 International Conferences on Human Factors and Ergonomics in Healthcare and Medical Devices, July 21–25, 2018, Orlando, Florida, USA. Member of the Technical Committee.  
AHFE 2018 International Conference on Human Factors and Systems Interaction, July 21–25, 2018, Orlando, Florida, USA. Member of the Technical Committee.  
IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD), November 21-23, 2018, Marrakech, Morocco. Member of the Technical Committee.
- 2017 AHFE 2017 International Conferences on Human Factors and Ergonomics in Healthcare and Medical Devices, July 17–21, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA. Member of the Technical Committee.  
AHFE 2017 International Conference on Human Factors and Systems Interaction, July 17–21, 2017, The Westin Bonaventure Hotel, Los Angeles, California, USA. Member of the Technical Committee  
POMS Annual Conference 2017, Track: Socially Responsible Operations – Session: Responsible Labor Practices in Operations. Track Co-chair and Session Chair, 5-8 May 2017.
- 2016 AHFE 2017 International Conferences on Human Factors and Ergonomics in Healthcare, 27-31 July, 2016, Orlando, Florida (USA). Member of the Technical Committee.  
AHFE 2017 International Conferences on Human Factors and Systems Interaction, 27-31 July, 2016, Orlando, Florida (USA). Member of the Technical Committee.  
4th International Workshop on Regional Critical Infrastructure Protection Programmes - June 2016. Bilbao (ES). Member of the organizing Committee.

## Prof. Paolo TRUCCO

- International Conference on Urban Risks (ICUR2016), 30 June-2 July, 2016, Lisbon (Portugal).  
Member of the Technical Committee and Track Chair.
- 2015 3rd International Workshop on Regional Critical Infrastructure Protection Programmes - June 2015. Milan (IT). Chairman.  
2nd Annual EDIM PhD Conference on Management Engineering: "Nurturing Firms' Competitiveness and Societal Welfare through Management Engineering Research", 10-12 June, 2015. Milan (Italy). Co-chairman.  
AHFE 2017 International Conferences on Human Factors and Ergonomics in Healthcare, 26-30 July, 2015, Las Vegas (USA). Member of the Technical Committee.
- 2014 ESREL 2014 - 14-18 September 2014, Wroclaw (Poland). Member of the Technical Committee.  
1st Annual EDIM PhD Conference: "Research Challenges in Contemporary Management Engineering", 11-12 June, 2014. Milan (Italy). Co-chairman.
- 2012 2nd International Workshop on Regional Critical Infrastructure Protection Programmes - November 2012. Edinburgh (UK). Member of the organizing Committee.
- 2011 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2011) – 6-9 December 2011. Singapore. Member of the Technical Committee.  
1st International Workshop on Regional Critical Infrastructure Protection Programmes: Main issues, Experiences and Challenges - 17-18 November 2011. Milan (Italy). Co-Chairman.
- 2010 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2010) – 7-10 December 2010. Macau (China). Member of the Technical Committee.  
ESREL 2010 – 5-9 September 2010, Rhodes (Greece). Member of the Technical Committee.  
10th International Probabilistic Safety Assessment and Management Conference (PSAM 10) – 7-11 June 2010. Seattle WA (USA). Member of the Technical Committee.
- 2009 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2009) – 8-11 December 2009. Hong Kong (China). Member of the Technical Committee.
- 2008 9th International Probabilistic Safety Assessment and Management Conference (PSAM 9) – 18-23 May 2008. Hong Kong (China). Member of the Technical Committee.

### *Keynote speeches and lectures*

- 2023 Invited Speaker: "Business Interruption Risk Quantification in the Sourcing Process", FERMA Seminar 2023 - The Roadmap to Strategic Risk Management, 16-17 October, Antwerp (Belgium).
- 2019 Invited Speaker: "Simulating the resilience of key resource supply chains upon Critical Infrastructure disruptions: the case of Italian FMCG", Critical Infrastructure Protection and Resilience Europe (CIPRE) Expo 2019 - 14-16 October 2019, Milan (Italy)
- 2017 Keynote Speech: "La resilienza nelle organizzazioni operanti per progetti: capacità e modelli di valutazione", Convegno Nazionale IPMA Italy 2017 - La resilienza nella gestione dei progetti, 17 February 2017, Milan (Italy).
- 2016 Keynote speech: "Making risk management meaningful for complex systems: integration and interdependency management". S2R Forum - The Future Safety and Security Research in Europe - 26-28 October 2016, Bilbao (Spain).  
Keynote lecture: "A Dyadic view of Risk and Resilience Analysis for CIP-R programmes", Resilience-Based Approaches to Critical Infrastructure Safeguarding, NATO Workshop - 26-29 June 2016, Ponta Delgada, Azores (Portugal).
- 2013 Keynote speech: "Threat-Vulnerability Path Identification for Critical Infrastructures Compilation of a comprehensive all-hazards catalogue for critical infrastructures", 2nd CIPS Workshops. Numerous clausus workshop for the National Contact Points of Member States - 22-23 November 2013, Joint Research Centre (Ispra, Italy).
- 2012 Keynote speech: "e-Health Solutions for Clinical Risk Management", Scientific Conference on the Performance and Strategy Development in Healthcare Facilities: Risk Management in Health Care. Under the patronage of H.R.H. Prince Miteb Bin Abdullah Bin Abdulaziz, Minister of State, Cabinet's Member and Commander of National Guard - 16-19 December 2012, Riyadh (KSA).
- 2012 Keynote lecture: "Clinical Risk Control Rules: towards a dynamic management of patient safety", Seminar for healthcare managers of Gothenburg Hospitals (about 30 participants). Centre for Healthcare Improvement (CHI), Chalmers University - 4-5 October 2012, Gothenburg (Sweden).
- 2012 Keynote speech: "Supporting PPP for CI resilience with proper modelling and assessment tools:

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from a regional experience to the European perspective", 1st Workshop on Risk Assessment and Resilience for Critical Infrastructures. Numerous clausus workshop for the National Contact Points of Member States - 25-26 April 2012, Joint Research Centre (Ispra, Italy).

### *External Examiner in Doctoral defences*

- 2015 KTH (Sweden), Member of the Jury for the PhD dissertation on "Investments, system dynamics, energy management and policy: A solution to the metric problem of bottom-up supply curves", by Fabian Levihn.
- 2011 UPM (Spain), External Examiner and Member of the Jury for the PhD dissertation on "Valuation of a new entrant in an oligopolistic market, including its option to abandon. A real-life case", by Félix Roux.
- 2008 University of Brescia (Italy), Opponent and Member of the Jury of the annual Final Exam session of the Doctoral Programme in Mechanical and Industrial Engineering.

### *Successful Doctoral completion*

- 2023 Armaghan Chizaryfard, "The Industrial Transformation Towards the Circular Economy - Dynamics, Drivers and Constraints", Doctoral Programme in Management Engineering, Double Degree between Politecnico di Milano and KTH.
- 2023 Maricahira Piraina, "A Novel Methodology for Capability-based Emergency Management in Complex Systems", Doctoral Programme in Management Engineering, Politecnico di Milano.
- 2018 Yulia Lapko, "Opening the black box of material criticality - Heterogeneity and interrelations of companies within and across industrial sectors", European Doctorate in Industrial management (EDIM) – EMJD, Double Degree Programme, Politecnico di Milano and KTH.
- 2018 Pablo Fernandez Campos, "Managing the joint influence of structural and dynamic complexity on supply chain performance", Doctoral Programme in Management, Economics, and Industrial Engineering, Politecnico di Milano.
- 2018 Seyed Sajad Mousavi, "Measuring the impact of Lean implementation on Occupational Health and Safety through leading indicators", Doctoral Programme in Management, Economics, and Industrial Engineering, Politecnico di Milano.
- 2016 Rossella Onofrio, "Assessing the Influence of Personal and Organizational Factors on surgeon's performance: a Human Reliability Analysis (HRA) Approach", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2016 Sudipa Sarker, "Disentangling the Labyrinth of Supply Management in Multinational Corporations (MNCs)", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2015 Seyoum Birkie, "Be lean to be resilient - Setting capabilities for turbulent times", European Doctorate in Industrial management (EDIM) – EMJD, Double Degree Programme, Politecnico di Milano and KTH.
- 2014 Boris Petrenj, "Understanding the role and contribution of inter-organisational information sharing and collaboration to Critical Infrastructure resilience: a multidimensional investigation", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2014 Donato Masi, "Enhancing the decision making process leading to the implementation of Occupational Safety and Health interventions in Small and Medium sized Enterprises", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2012 Andrea Trianni, "Energy-efficient technologies and barriers to energy efficiency in manufacturing SMEs", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano, 2012. Cum laude.
- 2011 Giorgio Locatelli, "INCAS model for the economic-strategic integrated evaluation of small/medium nuclear power plants: from the social acceptance to the decommissioning", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano. Cum laude.
- 2011 Amerigo Silvestri, "New framework and modelling approach to Enterprise Risk Management in E&C organizations, with application in the Oil & Gas", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2011 Francesco Lorenzi, "A Systems Safety Engineering approach to the implementation of e-Health solutions for Patient Safety", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.

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- 2010 Massimiliano De Ambroggi, "The use of cognitive simulation to support Dynamic Risk Modelling", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2007 Chiara Leva, "Human and Organizational Factors in Complex Operations: Development of a Simulator and its Use for the Evaluation of Critical Activities", Doctoral Programme in Management, Economics and Industrial Engineering, Politecnico di Milano, 2007.

**Research and Consultancy Projects**

*Research and Innovation Projects (Competitive Funding)*

2022	ECOSSENS - Economic and Societal Considerations for the Future of Nuclear Energy in Society	HORIZON-EURATOM-2021-NRT-01-14	€1.498.656
2021	RemLab - Cooperative remote labs virtual campus for higher education in engineering	ERASMUS+ – European Commission	€90,000
2019	OHS management systems, workers participation and representativeness under the digital transformation of work	INAIL Research Grant	€734,000
	SmartEU – Operational Model and Tech Platform for the Dynamic Management of Medical Emergency Services	Regione Sicilia – FESR	€3,125,000
2018	SICt - Sicurezza delle Infrastrutture Critiche transfrontaliere (Protecting Critical Infrastructure)	INTERREG V – A Italia Svizzera (EU)	€1,600,000
	Project Ô - Demonstration of planning and technology tools for a circular, integrated and symbiotic use of water	H2020 (No 776816) - European Commission (EC)	€ 10,569,306
2017	EMPATIA@LECCO (EMpowerment del PAzienTe In cAsa) – Development of a coordinated set of homecare qualified solutions	Fondazione Cariplo	€230,000
2017	Designing a research framework and methodology for a nation-wide survey on the role of workers’ representative	INAIL Research Grant	€335,000
2016	Data-Driven Health Service Planning model and web app for the DG Health	Eupolis (Lombardy Region)	€90,000
2015	OHS Management Systems and performance: a nation-wide survey on the role of workers’ representative.	INAIL Research Grant	€500,000
2014	ABILITY - Telerehabilitation: Integrated platform Enabling the Remote Delivery and control of physical and cognitive Rehabilitation, and Self-Management	European Commission, MIUR, Regione Lombardia	€ 4,080,000
2014	READ - Resilience Capacities Assessment for Critical Infrastructures Disruption	European Commission - DG Home Affairs (Action Grant HOME/2013/CIPS/AG)	€ 376,635
2013	MIRACLE - Multi-level Alignment of Regional Approaches to Critical Infrastructure Resilience by Learning from Experience	European Commission - DG Home Affairs (Action Grant HOME/2012/CIPS/AG)	€ 343,000

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2012	THREVI2 - Threat-Vulnerability Path Identification for Critical Infrastructures Compilation of a comprehensive all-hazards catalogue for critical infrastructures	European Commission - DG Home Affairs (Action Grant HOME/2011/CIPS/AG)	€ 362,000
2012	MATRICES (Multi Actor Threat Recognition, Information and Collaboration System).	Industrial and applied research Grants - MIUR	€ 2,000,000
2010	Safe surgery: manikin-based simulation programme validation for the development of non-technical skills in surgical teams	Italian Ministry of Health and Regione Lombardia	€ 200,000
2009	ReMINE - High performances prediction, detection and monitoring platform for patient safety risk management (N. 216134)	European Commission, 7th FP, ICT	€ 540,000
2008	Risk Management and Resilience of manufacturing and service operations (RISKOPRE).	National Scientific Research Grants - MIUR	€ 350,200
2008	An integrated knowledge framework for risk management and patient safety in chemotherapy.	Italian Ministry of Health	€ 426,000
2007	E-MERGING - Electronic Tool for Merging SMEs' OSH Data and Information to Support OSH Management and Improve Business Competitiveness	INAIL Research Grant	€ 325,000
2006	Models, tool and solutions for the designing of WEEE management systems (MESIR)	National Scientific Research Grants - MIUR	€ 370,000
2006	Approaches to assess the competitiveness of Small Modular Reactors (SMRs)	International Atomic Energy Agency (IAEA) - Cost Action	€ 80,000
2005	PROMETEO (PROtezione pubblica: METodologie e TEcnologie Operative) Programme – Development of residual risk assessment models for the implementation of first response plans in urban areas after landslides events	Strategic research Programme - Politecnico di Milano	€ 100,000
2004	Models and a Decision Support System (DSS) for the strategic design of e-procurement systems in the EPC industry.	National Scientific Research Grants - MIUR	€ 65,000
2004	ECO4ME – Environmental Costing Outsourcing for Medium Enterprises.	Cariplo Foundation	€ 110,000
2002	Safety at Speed (S@S) - Developing a formalised design-for-safety methodology for HSC using state-of-the-art techniques and tools Contract No. G3RD-CT-2001-00331.	European Commission, 5th Framework Programme (sub-contractor)	€ 70,000
2002	Eco-Galvan – Eco-efficiency knowledge and technology transfer in the galvanic industry	Cariplo Foundation	€ 87,000
2001	Development and validation of a new methodology for cognitive reliability analysis in industrial work-systems.	National Scientific Research Grants - MIUR	€ 77,000
2000	P.RI.MA. (Project RISK Management	European Commission, 4th FP – IST	€ 318,000

*Consulting and Advisory Contracts*

2022	Economic assessment modelling of the end-of-life management of rolling stocks.	NTV Italo SpA	€100,000
	Assessment of global Supply Chain vulnerability to energy shortage and selection of strategic and tactical measures	Hilti Corporation	€45,000
	Assessing alternative value chain configurations and business models for EV batteries in Italy	Motus-e	€25,000
2021	TechInnoValue 2.0 – Extension and refinement of a Methodology for assessing the sustainable value created by the technological innovation in projects	SAIPEM SpA	€ 80,000
2020	TechInnoValue – Methodology for assessing the sustainable value created by the technological innovation in projects	SAIPEM SpA	€100,000
	Assessment of Emergency Management capabilities and recommendations for improvement	NTV Italo SpA	€150,000
2019	Development of National Guidelines for Area Business Continuity Plans. Under the programme: Resilience of critical infrastructure and raising awareness on disaster risks	World Bank – Turkish Ministry of Interior Disaster and Emergency Management Authority (AFAD).	€200,000
2017	Pre-feasibility Study for the Industrial Park in Al-Faw (Basra, Iraq)	Gruppo CLAS, Iraqi Ministry of Transport and Infrastructure	€80,000
2016	Developing and Implementing the Clinical Governance Improvement Programme for the Regional Health System. Consortium: EY Consulting and Fondazione Politecnico (2016-2018)	Lombardy Region Government	€2,000,000
	Green Economy Transition (GET) Programmes (from 2016 to 2020). Consulting and advisory services for the following initiatives:	European Bank for Reconstruction and Development (EBRD), Central European Initiative (CEI)	€420,000
	<ul style="list-style-type: none"> <li>• Developing a Methodological Approach for Understanding the Market Penetration Level of Climate Technologies (2019-2020);</li> <li>• Green Economy Project Preparation and Implementation Framework in Serbia (2019);</li> <li>• Development and pilot-phase implementation of the Innovation Voucher Scheme in Ukraine (2018);</li> <li>• KEP - Know-how Exchange: Innovation Vouchers scheme for resource efficiency technologies and services in Serbia - Support to the implementation and marketing the innovation vouchers scheme</li> </ul>		



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in the country (2018);

- Turkey: Material Efficiency Experts and Services Identification for the Turkish Material Marketplace (2017);
- Innovation Vouchers scheme for resource efficiency technologies and services in Serbia (2016).

2015	Telemedicine services in Italy. Market segmentation & value proposition.	ThalesAleniaSpace	€20,000
2014	Qualification and Quality Risk Assessment of Valcamonica Blood Center (Italy)	Valcamonica Trust	€25,000
2014	Operations & Maintenance site activities in Oil & Gas market. Market segmentation & value proposition.	GE Oil&Gas	€140,000
2013	Multicentre impact analysis of WNV screening on molecular biology labs operations for the validation of donated blood and emo-components	Novartis Vaccines and Diagnostics S.r.l	€ 21,500
2010	Regional Programme for Critical Infrastructure Protection: interdependencies analysis Code IReR: 2010B038	Lombardy Region Government	€ 100,000
2009	Regional Programme for Critical Infrastructure Protection: development of the regional risk register Codice IReR: 2009B001	Lombardy Region Government	€ 340,000
2009	Development and validation of a cost/effectiveness methodology for the assessment of patient safety related technologies.	Italian Ministry of Health and San Raffaele Hospital Foundation	€ 200,000
2008	Pre-feasibility study for new-generation nuclear power plants in Italy: economic risk analysis	EnergyLab Foundation	€ 40,000
2008	Reconfiguration of the regional blood system – A new centralised model for better quality and efficiency Code IReR: 2008B062 and IReR 2006B050	Lombardy Region Government	€ 118,000
2008	Implementation of RFid technologies for efficiency and sfety improvement in blood services	“Spedali Civili di Brescia” Hospital	€ 120,000
2007	Healthcare Risk Management: benchmark of regional strategies, policies, and models at national and European level. Code. IReR 2007B044)	Lombardy Region Government	€ 42,000
2007	OHS Management – Critical assessment of the current system and proposal for a new roadmap for SAME DEUTZ-FAHR S.p.A.	SAME DEUTZ-FAHR	€ 38,000
2005	Clinical Risk Management: identification of key processes and tools for the hospitals in Lombardy Region Code IReR 2005B028.	Lombardy Region Government	€ 55,000

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2005	IRIS (International Reactor Innovative and Secure). Modelling the economics of SMR.	International consortium led by Westinghouse – Cost Action	€ 50,000
2005	Dynamic Safety Modelling for future ATM concepts	Eurocontrol	€ 80,000
2004	Establishing a new regional programme on Hospital Risk Management for improving the quality of care (Code IReR 2004-037).	Lombardy Region Government	€ 111,500
2003	IRIS (International Reactor Innovative and Secure). Integrating Preliminary Human Reliability Analysis into the Safety-by-Design Approach	International consortium led by Westinghouse – Cost Action	€ 50,000
2002	Development and Implementation of a Risk-based Vendor Rating system.	SAIPEM S.p.A (formerly Snamprogetti)	€ 65,000
2001	Ergonomic and safety re-design of the assembling and handling systems for new production lines.	Costaferroviaria S.p.A	€ 73,000

## Teaching Experience

### *Main institutional teaching activities (BSc, MSc, PhD)*

- 2022-2023 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Operations Risk Management & Resilience (MSc), and Technology Risk Governance (MSc). Faculty of Engineering, Politecnico di Milano.
- 2021-2022 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Operations Risk Management & Resilience (MSc), and Technology Risk Governance (MSc). Faculty of Engineering, Politecnico di Milano.  
Research Challenges in Production & Service Operations Management (PhD). School of Management, Politecnico di Milano.
- 2020-2021 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Safety Engineering and Management (MSc), Operations Risk Management & Resilience (MSc), and Technology Risk Governance (MSc). Faculty of Engineering, Politecnico di Milano.
- 2019-2020 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Safety Engineering and Management (MSc), Operations Risk Management & Resilience (MSc), and Technology Risk Governance (MSc). Faculty of Engineering, Politecnico di Milano.  
Research Challenges in Production & Service Operations Management (PhD). School of Management, Politecnico di Milano.
- 2018-2019 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Safety Engineering and Management (MSc), and Operations Risk Management & Resilience (MSc). Faculty of Engineering, Politecnico di Milano
- 2017-2018 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Safety Engineering and Management (MSc), Operations Risk Management & Resilience (MSc), and Enterprise and Operations Risk Management (PhD). Faculty of Engineering, Politecnico di Milano
- 2016-2017 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Safety Engineering and Management (MSc), and Operations Risk Management & Resilience (MSc). Faculty of Engineering, Politecnico di Milano
- 2015-2016 Main lecturer of Introduction to Industrial Engineering (BSc), Facility Design and Safety (BSc), Safety Engineering and Management (MSc), Operations Risk Management & Resilience (MSc), and Enterprise and Operations Risk Management (PhD). Faculty of Engineering, Politecnico di Milano
- 2014-2015 Main lecturer of Introduction to Industrial Engineering (BSc), Safety Engineering and Management (MSc), and Operations Risk Management & Resilience (MSc). Faculty of Engineering, Politecnico di Milano
- 2013-2014 Main lecturer of Introduction to Industrial Engineering (BSc), Industrial Risk Management (MSc), and Enterprise and Operations Risk Management (PhD). Faculty of Engineering, Politecnico di Milano
- 2012-2013 Main lecturer of Introduction to Industrial Engineering (BSc), and Industrial Risk Management (MSc). Faculty of Engineering, Politecnico di Milano
- 2011-2012 Main lecturer of Introduction to Industrial Engineering (BSc), Industrial Risk Management (MSc), and Advances in Industrial Eco-Efficiency (PhD). Faculty of Engineering, Politecnico di Milano
- 2010-2011 Main lecturer of Introduction to Industrial Engineering (BSc), and Industrial Risk Management (MSc). Faculty of Engineering, Politecnico di Milano
- 2009-2010 Main lecturer of Industrial Ergonomics & Safety (BSc), Introduction to Industrial Engineering (BSc), Industrial Risk Management (MSc), and Advances in Industrial Eco-Efficiency (PhD). Faculty of Engineering, Politecnico di Milano
- 2008-2009 Main lecturer of Industrial Ergonomics & Safety (BSc), Introduction to Industrial Engineering (BSc), and Industrial Risk Management (MSc). Faculty of Engineering, Politecnico di Milano
- 2007-2008 Main lecturer of Industrial Ergonomics & Safety (BSc), Introduction to Industrial Engineering (BSc), Industrial Risk Management (MSc), and Advances in Industrial Eco-Efficiency (PhD). Faculty of Engineering, Politecnico di Milano
- 2006-2007 Main lecturer of Industrial Ergonomics & Safety (BSc), Introduction to Industrial Engineering (BSc), and Industrial Risk Management (MSc). Faculty of Engineering, Politecnico di Milano
- 2004-2006 Main lecturer of Industrial Ergonomics & Safety (BSc), Introduction to Industrial Engineering (BSc), and Industrial Eco-Efficiency (MSc). Faculty of Engineering, Politecnico di Milano

## Prof. Paolo TRUCCO

2002-2004	Main lecturer of Industrial Ergonomics (MSc) and Introduction to Industrial Engineering (BSc). Faculty of Engineering, Politecnico di Milano
2000-2002	Main lecturer of Industrial Ergonomics & Safety (BSc) and Introduction to Industrial Engineering (BSc). Faculty of Engineering, Politecnico di Milano
1999-2000	Appointed Professor of Industrial Ergonomics & Safety (BSc) and Introduction to Industrial Engineering (BSc). Faculty of Engineering, Politecnico di Milano.

### *Other main teaching activities (MBA and Specialising Masters)*

2020-2023	<ul style="list-style-type: none"><li>• Politecnico Graduate School of Management (GSOM). iMSCPM - International Master in Supply Chain and Procurement Management. Module on “Supply Chain Risk Management and Resilience” (20 hours).</li><li>• Politecnico Graduate School of Management (GSOM). MBA Programme. Elective module on “Space Economy” (64 hours).</li><li>• Politecnico Graduate School of Management (GSOM). Master in Sustainability Management. Modules on “Industrial Symbiosis” (6 hours) and “Industrial Sustainability Management Booth camp” (40 hours)</li></ul>
2013-2019	<ul style="list-style-type: none"><li>• MIP (Politecnico di Milano Graduate School of Business). iMSCPM - International Master in Supply Chain and Procurement Management. Module on “Supply Chain Risk Management and Resilience” (20 hours).</li><li>• MIP (Politecnico di Milano Graduate School of Business). MBA Programme. Elective module on “Operations Risk Management and Resilience” (20 hours).</li><li>• MIP (Politecnico di Milano Graduate School of Business), “Executive Programme in Enterprise Risk Management”. Co-Director (148 class hours + Project Work).</li><li>• MIP (Politecnico di Milano Graduate School of Business). International Master in Industrial Management (IMIM). Module on Industrial Eco-Efficiency (8 hours).</li></ul>
2018	Eupolis (Lombardy Region). Training Programme for Hospital Risk Managers. Module on Clinical Risk Assessment Methods (16 hours).
2017	Eupolis (Lombardy Region). Training Programme for Hospital Risk Managers. Module on Clinical Risk Assessment Methods (16 hours).
2015-2017	MIP (Politecnico di Milano Graduate School of Business). Master in Energy Management (in Italian). Module on Industrial Eco-Efficiency (4 hours).
2014-2015	University of Milan. Specialising Master in Healthcare Risk Management. Module on Clinical Risk Assessment methods (16 hours).
2010-2014	University Campus Biomedico. Specialising Master in Homeland Security. Module on risk analysis of interdependent networked infrastructure (8 hours).
2008-2009	University of Rome “Tor Vergata”. Specialising Master for Healthcare Risk Managers of the Italian Regional Health Systems. Modules on Healthcare Risk Management models (8 hours) and Healthcare Risk Assessment (24 hours).
2004-2013	CINEAS. Specialising Master on Hospital Risk Management. Module on Clinical Risk Assessment methods (24 hours).

### **Other Academic Governance roles**

2023 – date	Deputy Academic Director of the Department of Management, Economics and Industrial Engineering
2013 – date	Member of the Executive Board of the Department of Management, Economics and Industrial Engineering
2014 - 2020	Director of the Doctoral Programme in Management Engineering
2014 - 2020	Member of the Council of the School of Doctoral Studies
2010 - 2020	Local Co-ordinator and member of the Scientific Committee of EDIM (European Doctorate in Industrial Management; <a href="http://www.edim-phd.eu">www.edim-phd.eu</a> )
2009 - 2014	Deputy Director of the Doctoral Programme in Management, Economics and Industrial Engineering.
2006 - 2012	Deputy Coordinator of the Programme in Production Engineering.
2006 - 2012	Responsible of Student’s Mobility Learning Agreements (e.g. Erasmus Mundus). Programme in Production Engineering
2003 - 2006	Member of the Internal Control Committee of University Students’ Services.

## Prof. Paolo TRUCCO

2000 - 2002 Member of the Quality Assurance Committee. BSc Programme in Production Engineering.

### Professional Qualifications

- 2018 - date **CERTI.S.** Member of the Committee for Safeguarding Impartiality (EN ISO/IEC 17024:2012)
- 2018 - date **Lombardy Region Government.** Member of the Observatory for Circular Economy and Energy Transition.
- 2011 - date **Lombardy Region Government.** Advisor member of the Steering Committee of the Regional Programme on Critical Infrastructure Protection
- 2010 - 2011 **Lombardy Region Government.** Member of the Technical Committee on Land and Urban policies
- 2009 - 2011 **AREA Science Park** (Consorzio per L'Area di Ricerca Scientifica e Tecnologica di Trieste). Member of the Board of Directors.
- 2008 - date **ASTIR s.r.l.** IT solutions and services for seamless collaborative and mission critical operations. Co-founder and Member of the Executive Board.
- 2007 - 2009 **Lombardy Region Government.** Member of the Technical Committee on R&D policies.
- 2005 - 2007 **International Atomic Energy Agency (IAEA).** Member of the Technical Group on "Strategies to Demonstrate Competitiveness of SMRs for Anticipated Applications".
- 2004 - date **Lombardy Region Government.** Member of the Technical Committee on Healthcare Risk Management, DG Health
- 2004 - date **CEUR Foundation** (Centro Europeo Università e Ricerca; www.ceur.it). Member of the Executive Board from 2004 to 2015. Member of the Scientific Advisory Board.

### Scientific and Professional Associations

#### **AIDI (Italian Association of Professors of Industrial Engineering).**

- Member of the Steering Committee and Vice-President (2019-2023)
- Member of the Steering Committee (2012-2015).
- Member (2012 - date)

#### **ANIMP (Italian Association of Industrial Plant Engineering)**

- Member of the General Council (2020 – date)
- Member (1996 - date)

#### **Luigi De Januario Foundation (promotion of early research careers in Energy and Project Management)**

- President (2020 - date)
- Member of the Executive Board (2017 - date)

#### **AIFIRM (Italian Financial Industry Risk Managers Association)**

- Member (2021 - date)

#### **ANRA (Italian Risk and Insurance Managers Association, part of FERMA and IFRIMA)**

- Member (2022 - date)

#### **CIRINT.NET (Critical Infrastructure Resilience International Network).**

- Coordinator (2021 - date)
- Member of the Executive Board (2015 - date)
- Founding member (2015).

#### **TIEMS (The International Emergency Management Society) Italian Chapter.**

- Member of the Executive Board (2014 - date)
- Founding member (2014).

#### **ESRA (European Safety and Reliability Association).**

- Member (2004 - date).

#### **IAPSAM (International Association for Probabilistic Safety Assessment and Management).**

**Prof. Paolo TRUCCO**

- Member (2008 - date).

**AHC (Italian Association of Experts in Critical Infrastructure Protection).**

- Member (2012 - date)

## List of International Scientific Publications

### Peer Reviewed Journals

- [1] Maione, C., Lapko, Y., Trucco, P. Industrial challenges to the implementation of a Circular Economy of Plastics in Italy: A Complex Adaptive Systems perspective. Work in progress.
- [2] Maione, C., Lapko, Y., Trucco, P. “Integrating mechanical and chemical recycling in plastic waste management: An empirical analysis in Lombardy”, *Waste Management*, 2022. Under review.
- [3] Paravano, A., Locatelli, G., Trucco, P., “The interplay between the intermediary organization and the intermediation process: a value creation perspective”, *Technovation*, 2022, R&R.
- [4] Paravano, A., Locatelli, G., Trucco, P., “Stakeholder engagement in project ecologies: practices and rationales”, *IEEE Transactions on Engineering Management*. Under Review.
- [5] Chizaryfard, A., Lapko, Y. and Trucco, P., "Strategic closed-loop supply chain configuration in the transition towards the circular economy of EV batteries: an evolutionary analytical framework", *The International Journal of Logistics Management*, 2023, Vol. 34 No. 7, pp. 142-176. <https://doi.org/10.1108/IJLM-06-2021-0337>
- [6] Feletti G., Tedesco D., P. Trucco, “A Comprehensive Key Performance Indicators Dashboard for Emergency Medical Services”, *International Journal of Health and Medical Engineering*, Vol:17, No:5, 2023.
- [7] Paravano, A., Locatelli, G., Trucco, P., “What is value in the New Space Economy?”, *Acta Astronautica*, 2023. Vol. 210, pp. 554-563, <https://doi.org/10.1016/j.actaastro.2023.05.001>.
- [8] Trucco, P., Petrenj, B., “Characterisation of resilience metrics in full-scale applications to interdependent infrastructure systems”, *Reliability Engineering and System Safety*, Volume 235, July 2023, 109200. Available online.
- [9] Fernández Campos, P., Huaccho Huatuco, L., Trucco, P., “Framing the interplay mechanisms between structural and dynamic complexity in supply chains”, *Production Planning and Control*, 2022, available online. DOI: 10.1080/09537287.2022.2114959.
- [10] Bobrovskiy, V., Galvis, J., Kaplin, A., ...Tognoli, M., Trucco, P., “Mathematical modelling of proton migration in Earth mantle”, *Mathematical Modelling of Natural Phenomena*, 2022, 17, N. 14. <https://doi.org/10.1051/mmnp/2022018>.
- [11] Buresti, G., Boccuni, F., Cagliano, R., Trucco, P., Di Nunzio, D., Delogu, A., Persechino, B., Iavicoli, S., “A national survey on occupational safety and health: the role of the health and safety representatives [IMPACT-RLS2: Indagine nazionale sulla salute e la sicurezza sul lavoro: il ruolo dei Rappresentanti dei Lavoratori per la Sicurezza]”, *Giornale italiano di medicina del lavoro ed ergonomia*, 2022, Vol. 44 (1), 10-21.
- [12] Maione, C., Lapko, Y., Trucco, P. “Towards a circular economy for the plastic packaging sector: Insights from the Italian case”. *Sustainable Production and Consumption*, 2022, Vol. 34, 78–89.
- [13] Chizaryfard, A., Nuur, C. & Trucco, P. “Managing Structural Tensions in the Transition to the Circular Economy: the Case of Electric Vehicle Batteries”. *Circ.Econ.Sust.* 2022, Vol. 2, 1157–1185. <https://doi.org/10.1007/s43615-022-00152-2>
- [14] Riglietti, G., Piraina, M. and Trucco, P. (2022), "The contribution of business continuity management (BCM) to supply chain resilience: a qualitative study on the response to COVID-19 outbreak", *Continuity & Resilience Review*, 2022, Vol. 4(2), 145-160. <https://doi.org/10.1108/CRR-08-2021-0030>
- [15] Feletti, G., Piraina, M., Petrenj, B., Trucco, P., “Collaborative capability building for critical infrastructure resilience: assessment and selection of good practices”, *Environment Systems and Decisions*, 2022, Vol. 42(2), 207–233.
- [16] Piraina, M., Trucco, P. “Emergency management capabilities of interdependent systems: framework for analysis”, *Environment Systems and Decisions*, 2022, Vol. 42(2), 149–176.
- [17] Riglietti G, Avatefipour A, Trucco P. “The impact of business continuity management on the components of supply chain resilience: A quantitative analysis”. *Journal of Business Continuity & Emergency Planning*, 2021, Vol. 15 (2), 182-195.
- [18] Faccincani, R., Trucco, P., Nocetti, C., Carlucci, M., Weinstein, E.S., “Assessing Hospital Adaptive Resource Allocation Strategies in Responding to Mass Casualty Incidents”, *Disaster Medicine and Public Health Preparedness*, 2022, Vol. 16(3), 1105–1115.
- [19] Brambilla, A., Mangili, S., Macchi, M., Trucco, P., Perego, A., Capolongo, S., “Covid-19 massive vaccination center layouts. A modular and scalable model for Lombardy region, Italy”, *Acta Biomedica*, 2021, Vol. 92, e2021446.

- [20] Borghetti F., Petrenj B., Trucco P., Calabrese V., Ponti M., Marchionni G., “Multi-level Approach to Assessing the Resilience of Road Network Infrastructure”, *Int. J. Critical Infrastructures*, 2021, Vol. 17(2), pp. 97–132.
- [21] Chizaryfard, A., Trucco, P. & Nuur, C. “The transformation to a circular economy: framing an evolutionary view”, *Journal of Evolutionary Economics*. 2021, Vol. 31(2), pp. 475–504. <https://doi.org/10.1007/s00191-020-00709-0>
- [22] Galbusera L., Trucco P., Giannopoulos G., “Modeling interdependencies in multi-sectoral critical infrastructure systems: Evolving the DMCI approach”, *Reliability Engineering & System Safety*, Vol. 203 (2020), 107072. Available online: <https://doi.org/10.1016/j.res.2020.107072>
- [23] Onofrio, R., Trucco, P., “A methodology for Dynamic Human Reliability Analysis in Robotic Surgery”, *Applied Ergonomics* (2020), Vol 88, 103150.
- [24] Birkie S. E., Trucco P., “Do not expect others do what you should! Supply chain complexity and mitigation of the ripple effect of disruptions”, *International Journal of Logistics Management*. 2020, Vol. 31(1), pp. 123-144. <https://doi.org/10.1108/IJLM-10-2018-0273>
- [25] Mousavi, S.S., Khani Jazani, R., Cudney, E.A., Trucco, P., “Quantifying the relationship between lean maturity and occupational health and safety: Antecedents and leading indicators”, *International Journal of Lean Six Sigma*, Vol 11 (1), 2020, pp. 150-170. DOI: 10.1108/IJLSS-04-2018-0043
- [26] Fernández Campos P., Trucco P. Huaccho Huatuco L., “Managing structural and dynamic complexity in supply chains: insights from four case studies”, *Production Planning & Control*, Vol 30 (8), 2019 pp. 611-623, DOI: 10.1080/09537287.2018.1545952.
- [27] Strozzi F., Garagiol E., Trucco P., “Analysing the attractiveness, availability and accessibility of healthcare providers via social network analysis (SNA)”, *Decision Support Systems*, Vol 120, 2019, pp. 25–37.
- [28] Micheli G.J.L., Trucco P., Sabri Y., Mancini M., “Modularisation as a system life cycle management strategy: drivers, barriers, mechanisms and impact”. *International Journal of Engineering Business Management*. Vol 11, 2019, pp 1-23.
- [29] Lapko Y., Trucco P., “Influence of power regimes on identification and mitigation of material criticality: The case of platinum group metals in the automotive sector”, *Resources Policy*, Vol 59, 2018, pp. 360-370.
- [30] Onofrio R., Trucco P., “Human Reliability Analysis (HRA) in surgery: Identification and assessment of Influencing Factors”, *Safety Science*, Vol 110, 2018, pp. 110–123.
- [31] Kozine I., Petrenj B., Trucco P., “Resilience capacities assessment for critical infrastructures disruption: the READ framework (part 1)”, *Int. J. Critical Infrastructures*, Vol. 14, No. 3, 2018, pp. 199-220.
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- [35] Sarker S., Azadegan A., Trucco P., “When One Size Must Fit All: How a Large MNC Centralized Its Purchasing”, *Rutgers Business Review*, Vol. 2, No. 1, 2017, pp. 32-48.
- [36] Lapko Y, Trucco P., Nuur C., “The business perspective on materials criticality: evidence from manufacturers”, *Resources Policy*, Vol. 50, 2016, pp. 93-107.
- [37] Sarker S., Engwall M., Trucco P., Feldmann A., “Internal Visibility of External Supplier Risks and the Dynamics of Risk Management Silos”, *IEEE Transactions on Engineering Management*, Vol. 63, Issue: 4, 2016, pp. 1-11. DOI: 10.1109/TEM.2016.2596144
- [38] Trucco P., Petrenj B., Bouchon S., Di Mauro C., “Ontology-based Approach to Disruption Scenario Generation for Critical Infrastructure Systems”. *Int. J. Critical Infrastructures*, Vol. 12, No. 3, 2016, pp. 248-272.
- [39] Birkie S., Trucco P., “Understanding dynamism and complexity factors in engineer-to-order and their influence on lean implementation strategy”, *Production Planning & Control*. Vol. 27, N. 5, 2016, pp. 345-359.
- [40] Onofrio R., Trucco P., Torchio A., “Towards a taxonomy of influencing factors for human reliability analysis (HRA) applications in surgery”, *Procedia Manufacturing*, Vol. 3, 2015, pp. 144-151.



- [41] Trucco P., De Ambroggi M., Leva M.C., "Topological risk mapping of runway overruns: a probabilistic approach", *Reliability Engineering and System Safety*, Vol. 142, 2015, pp. 433-443.
- [42] Petrenj B., Trucco P., "Simulation-Based Characterisation of Critical Infrastructure System Resilience", *Int. J. of Critical Infrastructures*. Vol. 10, Nos. 3/4, 2014, 347-374.
- [43] Birkie S., Trucco P., Kaulio M., "Disentangling core functions of Operational Resilience: A critical review of extant literature", *Int. Journal of Supply Chain and Operations Resilience*. Vol. 1. N. 1, 2014, pp. 76-103.
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- [45] Petrenj B., Lettieri E., Trucco P., "Information sharing and collaboration for Critical Infrastructure resilience - a comprehensive review on barriers and emerging capabilities", *Int. J. of Critical Infrastructures*. Vol. 9, N. 4, 2013, pp. 304-329.
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- [47] Arena M., Azzone G., Cagno E., Ferretti G., Prunotto E., Silvestri A., Trucco P., "Integrated Risk Management through dynamic capabilities within project-based organizations - the Company Dynamic Response Map" *Risk Management* Vol. 15, 2013, pp. 50-77. doi:10.1057/rm.2012.12.
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- [51] Ferrari, M.; Schupp, B.A.; Ward, D.; Nordvik, J.P.; Trucco, P., "Assessing Supply Chain dependency on Critical Infrastructures using Fuzzy Cognitive Maps", *International Journal of Risk Assessment and Management* (Special Issue on: "Risk Analysis of Critical Infrastructures"), Vol. 15, Nos. 2/3, 2011, pp. 149-170.
- [52] De Ambroggi M., Trucco P., "Modelling and Assessment of Dependent Performance Shaping Factors through Analytic Network Process", *Reliability Engineering and System Safety*, Vol. 96 (7), 2011, pp. 849-860.
- [53] Cagno E., De Ambroggi, Grande O., Trucco P., "Risk Analysis of Underground Infrastructures in Urban Areas", *Reliability Engineering & System Safety*, Vol. 96 (1), 2011, pp.139-148.
- [54] Cagno E., Trianni A., Sala G., Trucco P., "Quick-E-Scan: a methodology for the energy scan of SMEs", *Energy*, Vol. 35, 2010, pp. 1916-1926.
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- [64] Trucco P., Cavallin M., "A Quantitative Approach to Clinical Risk Assessment: the CREA Method", *Safety Science*, Vol. 44, pp. 491-513, 2006.
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- [73] Cagno E., Caron F., Trucco P., "New Perspectives for Integration of Project Control and Company Cost Accounting", *Project Management*, Vol. 4, N. 1, pp. 17-23, 1998.

### Book Chapters

- [1] Paravano, A., Locatelli, G., Trucco, P., "Governance in space projects", in Muller, R., Drouin, N., Sankaran, S., *Research Handbook for the Governance of Projects*, Edward Elgar Publishing, 2023.
- [2] Trucco P., Petrenj B., Birkie S. E., "Assessing supply chain resilience upon Critical Infrastructure disruptions: a multilevel simulation modelling approach", in *Supply Chain Risk Management: Advanced Tools, Models, and Developments*, Khojasteh Y. (Ed), pp. 311-334, 2018. Springer.
- [3] Mousavi S., Cudney E., Trucco P., "Towards a framework for steering safety performance: a review of the literature on leading indicators", in *Advances in Intelligent Systems and Computing 604*, pp. 195-204, 2018. Springer. ISBN : 9783319605241.
- [4] Trucco P., Petrenj B., "Resilience of Critical Infrastructures: benefits and challenges from emerging practices and programmes at local level", in *Resilience-Based Approaches to Critical Infrastructure Safeguarding*, Linkov I and Palma-Oliveira J. M. (eds), pp. 225-286, 2017. NATO Science for Peace and Security Series C: Environmental Security, Springer.
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- [9] Silvestri A., Arena M., Cagno E., Trucco P., Azzone G., "Enterprise Risk Management from Theory to Practice. The Role of Dynamic Capabilities Approach - the "Spring model", in *Quantitative Financial Risk Management*, Wu, Desheng Dash (Ed.), Springer Verlag, New York, Stati Uniti d'America, 1st Edition., IX, 338 p., 2011. ISBN 978-3-642-19338-5
- [10] Carelli M., Garrone P., Locatelli G., Trucco P., Mancini M., Ricotti M., "Nuclear renaissance: An assessment of small-medium, integrated and modular plants", Garrone P., (eds), *Investments and service quality in the electricity industry*, Franco Angeli: Milano (Italy), pp.163-192, 2007. ISBN 978-88-464-9622-5.
- [11] Cagno E., Trucco P., Tardini L., "EPI Design: Integrating Corporate Strategies into the Development Process of an Environmental Performance Evaluation System", in *Strategic sustainability: the state of the art in corporate environmental management systems*, Sarkis, J. & Stroufe, R., (eds), Greenleaf Publishing, Sheffield (UK), pp 20-42, 2007. ISBN 978-1-874719-61-8.
- [12] Cagno E., Trucco P., "Integration of Business Strategy in Establishing Significant Environmental Aspects", in *ISO 14001 Case Studies and Practical Experience*, Hillary, R. (ed), Greenleaf Publishing, Sheffield (UK), 2000. ISBN 978-1-874719-27-4.

### Proceedings and presentations in International Conferences

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