

PERSONAL INFORMATION

Giuseppe Stecca


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🔗 <https://scholar.google.it/citations?user=QDZ4kJoAAAAJ>

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Gender Male | Date of birth 23/12/1974 | Nationality Italian

PROFILE

Senior Research Scientist

Giuseppe Stecca graduated in Management Engineering and obtained his Ph.D in Economics and Management Engineering at University of Rome "Tor Vergata" in 2000 and 2004 respectively. He holds the chair of "Supply Chain Management" (MAT/09), at University of Rome "Tor Vergata", and the chair of "Modelli di Sistemi di Produzione" (Modelli di Sistemi di Produzione - ING-IND/35) at University "Guglielmo Marconi". He is Senior Research Scientist at National Research Council of Italy, Institute of Systems Analysis and Computer Science "Antonio Ruberti" (Istituto di Analisi dei Sistemi ed Informatica "Antonio Ruberti") - CNR-IASI. He has multiyear experience in national and international research projects. He is scientific evaluator for national research projects. He had several abroad experiences. His principal research interests are related to mathematical modelling, simulation and optimization of transport, logistics, service and production systems. Main studied applications are related to green supply chain management, and digital twin. He is coauthor of more than 50 publications on international scientific journals and conference proceedings. He is in the list of professional engineers of the Province of Rome (Civil, environmental industrial and information sectors).

PROFESSIONAL EXPERIENCE

09/2011 – now

Researcher

Consiglio Nazionale delle Ricerche, Istituto di Analisi dei Sistemi ed Informatica "Antonio Ruberti"

Via dei Taurini 19, 00185 Roma. Senior Researcher from 2023, January

Modeling and optimization of processes in logistics, manufacturing, transportation, circular economy, sustainability.

01/2001 – 08/2011

Research collaborator

National Research Council

Modeling and optimization of processes in logistics, manufacturing, transportation, circular economy, sustainability.

2019 - now

Recent Editorial activity

- Associate Editor for "Soft Computing"
- Guest Editor for "Sustainability"
- Guest Editor for "Discrete Applied Mathematics"
- Associate Editor "IET Collaborative Intelligent Manufacturing"
- Editor Volume "Graphs and Combinatorial Optimization: from Theory to Applications: CTW2020 Proceedings", Gentile G, Stecca G., and Ventura P., Springer International Publishing, 2021
- Editor Volume "A View of Operations Research Applications in Italy", Dell'Amico M., Gaudioso M., and Stecca G., Springer Springer International Publishing, 2019

2015 – now

Project coordinator

- Coordinator for CNR-IASI of Research Project ARPA - Autonomous and flexible manufacturing and augmented reality techniques for processes automation (11/2022 - 12/2023). Activities in task 8.4: Models and systems for preventive maintenance and for the management of logistics risks. Project funded by PON MiSE n. F/190046/01-03/X44 id. 46.
- Coordinator for CNR-IASI of PNRR CN MOST Center for Sustainable Mobility, Spoke 7 CCAM (Cooperative Connected Autonomous Vehicles), by 01/09/2022.
- Coordinator for CNR-IASI and scientific leader of “PIPER - Piattaforma Intelligente per l’Ottimizzazione delle operazioni di riciclo” (Intelligent Platform for the Optimization of Recycling Operations) POR FESR LAZIO 2014-2020 “Progetti Gruppi di Ricerca 2020” by 15/04/2022.
- Coordinator for CNR-IASI of “CTEMT - Casa delle Tecnologie Emergenti di Matera” (House of Emergent Technologies Matera), Task 1.2, funded by Fondo Crescita Sostenibile del MiSE, for the development of digital twin for the urban intelligence, related to optimization sustainable mobility and accessibility.
- Coordinator for CNR-IASI and scientific leader of “REMIND - Reverse Manufacturing Innovation Decision System”, code B86H18000160002, Programma Regione Lazio POR FERS “Economia Circolare” by 1/11/2018.
- Coordinator for CNR-IASI of “ZED&L Zero Emissions Distribution & Logistics”, by 1/09/2018 to 27/02/2019.
- Coordinator for CNR-IASI of “MIE - Mobilità Intelligente Ecosostenibile” (Smart Eco-sustainable Mobility), code CTN01_00034_594122, cluster “Technologies for Smart Communities”, by 1/12/2016.
- Coordinator for CNR-IASI of PRIN “SPORT” - Smart Port Terminals, code 2015XAPRKF by 12/10/2016.
- Coordinator for CNR-IASI of “SIGMA - Sistema Integrato di sensori In ambiente cloud per la Gestione Multirischio Avanzata” (Integrated Sensor System in Cloud for Advanced Management of Multi Risks), code PON01_00683 by 09/06/2013.
- Coordinator of Premial Project “Tecnologie e sistemi innovativi per la fabbrica del futuro e made in Italy” (Technologies and Innovative Systems for the Factory of the Future), code B82I12000420005, years 2014 and 2015.
- Coordinator for CNR-IASI Attività Progettuali (AP) Fabbrica del Futuro (Activities for Factory of the Future), year 2014.

03/2012 – now Recent Experience as Scientific Evaluator

- Ex ante evaluator of PNRR “Bandi a cascata RAISE” project proposals. IIT - Istituto Italiano di Tecnologie. October, 1 - 31, 2023.
- President of evaluation committee in public tender for port area concessions of mq 170.000. For: Port Authority of “Autorità Portuale Mar Tirreno Settentrionale”. Year 2020
- Expert Scientific Evaluator (ex ante, in itinere, in loco evaluation) of Research project for CNR/Ministry of Economic Development (MiSE), Innovation agreements D.M. 24/5/2017.
- Expert Scientific Evaluator (ex ante, in itinere, in loco evaluation) of Research project for CNR/Ministry of Economic Development (MiSE), D.M. 5/3/2018 and D.D. 20/11/2018 area Industry 4.0. From 2019
- Expert Evaluator (in itinere, in loco evaluation) of Research and Development Projects for Tuscany Region, program Smart Factory. For Sviluppo Toscana. Time: from 2018
- Member of Engineering Management Master Degree Thesis evaluation. For: Università di Roma “Tor Vergata”. From: 2012
- Member of Engineering Informatics Degree Thesis. For: Università “Guglielmo Marconi”. From 2017.
- Member of public grant assignment in CNR for research grants (Assegni di Ricerca). From 2014.

2012 – now Teaching

- Chair of “Supply Chain Management”
Date: by A.A. 2011/2012
Note: University of Rome “Tor Vergata”, Department of Enterprise Engineering; Course of Management Engineering Dm.270/04 - MAT/09; 6 learning credits (CFU); Rif. <http://didatticaweb.uniroma2.it/docenti/curriculum/3127-Giuseppe-Stecca>
- Chair of “Modelli di Sistemi di Produzione” (Models of Production Systems)
Date: by A.A. 2017/2018
Note: University “Guglielmo Marconi” Science and applied technologies; Course of Informatics Engineering Ing/35; 6 learning credits (CFU); Rif. <https://www.unimarconi.it/en/docenti>
- Supervisor of 2 Ph.D. students, more than 50 Master degree students, 6 research grant (multiple years) or collaborators.

Other recent activities and memberships

- Committee member of doctoral school ABRO - Automatica Bioingegneria e Ricerca Operativa (Automatica Bioengineering and Operations Research)
Date: By A.A. 2021/2022
Note: University of Rome “La Sapienza”, Department of Automatica and Management Engineering “Antonio Ruberti”; Rif. https://phd.uniroma1.it/web/AUTOMATICA-BIOINGEGNERIA-E-RICERCA-OPERATIVA---ABRO_nD3553_IT.aspx
- Member of AIRO - Associazione Italiana di Ricerca Operativa (Italian Association of Operations Research)
Date: by 2012
- Member of professional engineers of Roma Province
Date: by 2004
Note: N. 24370, Sector Civil, Environmental, Industrial, Information

EDUCATION

2002 – 2004	Ph.D. in Economics and Management Engineering	ISCED 6
	University of Rome “Tor Vergata”	
2001 – 2002	Master II Level in Enterprise Engineering	
	University of Rome “Tor Vergata”	
1993 – 2000	Laurea Degree in Management Engineering D.M. 509/99)	
	University of Rome “Tor Vergata”	

MAIN SKILLS

Mother tongue Italiano

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Inglese	B2	B2	B2	B2	C1

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

Informatic Skills MS Office, Libreoffice, Operating Systems Windows and Linux, Programming Languages C/C++ and Python, OpenLCA, SIMIO, JAAMSIM, VISUM.

- Technology Transfer Skills** Several prototypes output of research project released for logistics and manufacturing environment. Available at <https://github.com/gstecca>.
- Higher Education & Training skills** Organizer of MINOA PhD School Mixed-Integer Nonlinear Optimization meets Data Science held in Ischia (Italy) June 25-27, 2019.
- Project Management skills** Responsible of more than 10 Research Projects (both regional and National) for IASI-CNR. Previously teacher of Project Management and Agile Project Management courses for private companies.
- Collaborations** University of Rome "Tor Vergata", University of Genoa, University of Kobe Japan, Centro Ricerche FIAT, University of Palermo, University of Napoli, University of Catania.
- Declarations** I authorize the treatment of my personal data according to the Italian Law "Decreto Legislativo 30 giugno 2003, n. 196" "Codice in materia di protezione dei dati personali" e dell'art. 13 del GDPR (Regolamento UE 2016/679).

