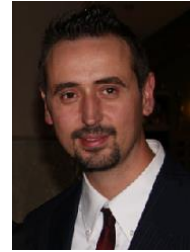


## *Curriculum Vitae et studiorum*



### • **PERSONAL INFORMATION:**

**Surname:** Epicoco

**First name:** Nicola

**Place of birth:** Bari (Italy)

**Date of birth:** 28/03/1976

**Address:** Viale della Repubblica, nr. 11 – 70010 – Valenzano (Bari) - Italy

**Phone:** +39 080/5963843

**Mobile:** +39 328/8224827

**E-mail\_1:** nico.epicoco@gmail.com

**E-mail\_2:** nicola.epicoco@univaq.it

**Certified e-mail address:** nicola.epicoco@ingpec.eu

**Marital status:** married

**Military service:** completed (2002-2003)

### • **EDUCATION:**

*Ph.D. in Electrical and Information Engineering*

**University:** Polytechnic of Bari

**Curriculum:** Automatic Control (28<sup>th</sup> cycle)

**Date:** from January 2013 to December 2015

**Advisor:** Prof. Mariagrazia Dotoli

**Title:** “*Decision and control tools for sustainable management of logistics and transportation systems*”

**Level in national or international classification:** ISCED 6

*Master of Engineering in Mechanical Engineering:*

**University:** Polytechnic of Bari

**Curriculum:** Management

**Date of degree:** 27/09/2002

**Grade:** 105/110

**Supervisor:** Prof. Luigi Maria Galantucci

**Thesis:** Integrated production systems

**Title:** “*LOM and Thick-Layered Manufacturing techniques for Rapid Prototyping*”

*Secondary Education certificate:*

**School:** “Liceo Scientifico Statale G. Salvemini”, Bari (Italy), High School of Science

**Date:** from 1989 to 1994

**Overall score:** 55/60

### • **CURRENT POSITION:**

- **Since August 1<sup>st</sup>, 2019:** Assistant professor on Automatic Control at Department of Information Engineering, Computer Science and Mathematics (DISIM) of the University of L’Aquila (Italy).

### • **TRAINING AND COURSES:**

- **May 2021- May 2030:** Italian National Scientific Habilitation as Associate Professor in the sector 09/G1 - Automatica (according to the Procedure ASN 2018-2020; art. 16 Law 240/2010).
- **May 2019 - present:** Registered in the national list of the Independent Body for Performance Evaluation (OIV) (nr. 4552).

- **2018 - present:** Registered in REPRISE (Register of Scientific Experts set up at the Italian Ministry of Education, University, and Research) for the section “Competitive industrial research and social development”.
  - **June 2016:** Course in “*Home automation*”, provided by Beta Formazione and Domotica Undici S.r.l.
  - **October 2015:** Seminary in “*Programming techniques with MATLAB*”, provided by Mathworks.
  - **January 2014:** Course in “*LabView CORE1 e CORE2*”, provided by National Instruments.
  - **2004 - present:** Court-appointed expert at Bari Court.
  - **2003:** Course in “*Business Excellence*”, provided by Coradar, in collaboration with Bari District Association of Entrepreneurs.
  - **2002:** Qualified as an Italian Professional Engineer upon Engineer Profession State Exam.
  - **2004 - present:** Member of the Italian Association of Professional Engineers, Bari District (nr. 7399).
  - **2001:** Course in “*Health and safety of work, safety of industrial plants, and worksite safety*”.
- **PROFESSIONAL POSITIONS:**
    - **July 2016 - present:** Chairman of the board of directors at “Innolab S.r.l.” (spin-off of the Polytechnic of Bari).
    - **May 2015 - present:** Chair of the supervisory boards at “M.e.i.s. Elettromeccanica S.r.l.” (Modugno (BA) - Italy).
    - **March 2011 – October 2019:** Technical manager at “Edilmat S.r.l.” (Bari - Italy).
    - **September 2018 – September 2019:** Member of the supervisory boards at “Foggia Calcio S.r.l.” (Foggia (FG) - Italy).
    - **From February 2015 to May 2015:** Member of the supervisory boards at “M.e.i.s. Elettromeccanica S.r.l.” (Modugno (BA) - Italy).
- **INSTITUTIONAL POSITIONS:**
    - **April 2020 - present:** Communication and dissemination coordinator at the Center of Excellence DEWS (Design methodologies for Embedded controllers, Wireless interconnect and System-on-chip) at the University of L’Aquila (Italy).
    - **September 2019 - present:** Member of teaching committee at the Department of Industrial and Information Engineering and Economics (DIIIE) - Master Degrees in: Electronic Engineering, in Electrical Engineering, and in Mechanical Engineering; Bachelor Degree in: Industrial Engineering (educational path in Electrical Engineering) at the University of L’Aquila (Italy).
    - **September 2019 - present:** Member of teaching committee at the Department of Civil, Construction-Architectural and Environmental Engineering (DICEAA) - Bachelor Degree in Civil and Environmental Engineering at the University of L’Aquila (Italy).
    - **August 2019 - present:** Member of the executive council of the Department of Information Engineering, Computer Science and Mathematics (DISIM) at the University of L’Aquila (Italy).
- **RESEARCH ACTIVITIES AND COLLABORATIONS:**
    - **March 2021 – November 2021:** Project “*Wireless charging system for light electric vehicles in high density urban area, and demonstrator for a kick scooter*”, under the Research Agreement “*Autonomous systems and intelligent machines*” between BLUHUB S.r.l. and University of L’Aquila – Center of Excellence DEWS.
    - **February 2021 – July 2021:** Visiting researcher at the *École Centrale de Lille* (France); Research Centre: CRISTAL CNRS UMR 9189 (“Centre de Recherche en Informatique, Signal et Automatique de Lille”, laboratory of the National Center for Scientific Research, University Lille 1, and Centrale Lille in partnership with University Lille 3, Inria, and Institut Mines Telecom); Research group: OSL (“Optimisation des Systèmes Logistiques”) – OPTIMA (“OPTImisation:

Modèles et Algorithmes”); Supervisor: Prof. Slim Hammadi (Full Professor in “Industrial Automation and Computer Science”).

- **September 2019 - present:** Coordinator of the work package on “*Algorithms for diagnosis and fault detection*”, within the project “ASSIOMI” (Algorithms, systems and devices for monitoring and diagnostics of machines for smart factories) at the University of L’Aquila (Italy), funded by the Italian Ministry of Education, University and Research (MIUR).
- **April 2019 – July 2019:** Postdoctoral research fellow on “*Non-linear optimization and control techniques for the automotive industrial production*” at the Polytechnic of Bari within the project “PICO&PRO” (Integrated and Connected Processes for Industrial Evolution in Production), funded by the Italian Ministry of Education, University and Research (MIUR).
- **September 2018 – July 2019:** Collaboration on the definition of control algorithms based on peak shaving strategies for charging stations of electric vehicles, project “EMERA - Integrated system for lighting and urban mobility services”, funded by the Apulia Region.
- **December 2016 - March 2019:** Postdoctoral research fellow on “*Decision and control tools for the energy efficiency in the context of Smart Cities and Metropolitan areas*” at the Polytechnic of Bari within the project “UCCSM” (Urban Control Center for the sustainable management of energy flows in Metropolitan Smart cities), funded by the Apulia Region.
- **January 2016 - December 2017:** Collaboration on the innovation and re-engineering of manufacturing processes at “Dream Project S.p.A.” (Barletta (BT) - Italy), funded by the Apulia Region.
- **October 2015 - December 2015:** Collaboration on the definition of “New sustainable transport scenarios for the Smart City” and “ICT & Smart Mobility Solutions”, within the project GIFT 2.0 (Greece-Italy Facilities for Transport and Logistics 2.0), agreement between the Metropolitan City of Bari and the Polytechnic of Bari.
- **October 2014 - December 2015:** Collaboration on the training agreements between “Politecnico di Bari” and “Banque Centrale du Luxembourg” on the topics: “MCDA in public procurement” and “Supplier selection in public tenders”.
- **September 2014 - March 2015:** Collaboration on the project “SEMINA” (Evolved Systems for the Intelligent Mobility in Urban Agile Networks), funded by the Apulia Region.
- **January 2013 - December 2015:** Collaboration on the project “RES NOVAE” (Networks, Buildings, Roads: New virtuous objectives for the Environment and Energy), funded by the Ministry for Education, University and Research (MIUR) and the Ministry of the Economic Development (MISE).
- **November 2012 - July 2013:** Collaboration on the automation of the production and sales processes at “Tangari S.r.l.” (Corato (BA) - Italy), funded by the Apulia Region.
- **September 2012 - February 2013:** Collaboration on the creation of an integrated intermodal logistics chain at “G.T.S. - General Transport Service S.p.A.” (Bari - Italy), funded by the Apulia Region.
- **June 2012 - April 2013:** Support to start-up, business plan, and marketing plan at “Innolab S.r.l.” (spin-off of the Polytechnic of Bari), funded by the Regional Agency for Technology and Innovation (ARTI) of the Apulia Region.
- **February 2012 - July 2012:** Collaboration on the analysis and re-engineering of business flows at “Cannillo S.r.l.” (Corato (BA) - Italy).
- **October 2005 - May 2006:** Collaboration on the definition of new business management methods with CUEIM (Italian University Consortium of Industrial Economics and Management).
- **WORK EXPERIENCES:**
  - **From May 2020 to June 2020:** Consultancy on the agreement bankruptcy n. 40/2018 at “Popeo cartoplastica S.r.l.” (Capurso (BA) - Italy).

- **From May 2018 to July 2018:** Collaboration on the implementation of a model of organization, management, and control pursuant to Italian Legislative Decree n. 231/01 at “*Foggia Calcio S.r.l.*” (Foggia - Italy).
- **From November 2014 to December 2014:** Collaboration on the implementation of a model of organization, management, and control pursuant to Italian Legislative Decree n. 231/01 at “*Soci S.r.l.*” (Lecce - Italy).
- **From September 2014 to December 2014:** Consultancy on the agreement bankruptcy n. 75/2013 at “*Gruppo Intini S.p.A.*” (Noci (BA) - Italy).
- **From April 2014 to June 2014:** Design of a PV system (31.36 kW) at “*Sud Infissi di Partipilo Cosimo*” (Bari - Italy).
- **From April 2014 to June 2014:** Consultancy on the agreement bankruptcy n. 58/2013 at “*Fratelli Cramarossa S.r.l.*” (Modugno (BA) - Italy).
- **From December 2013 to July 2014:** Collaboration on the implementation of a model of organization, management, and control pursuant to Italian Legislative Decree n. 231/01 at “*I.Cos. S.p.A.*” (Lecce - Italy).
- **From November 2013 to June 2014:** Collaboration on the implementation of a model of organization, management, and control pursuant to Italian Legislative Decree n. 231/01 at “*Merak S.r.l.*” (Putignano (BA) - Italy).
- **July 2013:** Consultancy on the agreement bankruptcy n. 31/2013 at “*Guss Tecnica Italia S.r.l.*” (Sammichele di Bari (BA) - Italy).
- **From October 2011 to January 2012:** Collaboration on the implementation of a model of organization, management, and control pursuant to Italian Legislative Decree n. 231/01 at “*M.e.i.s. Elettromeccanica S.r.l.*” (Modugno (BA) - Italy).
- **From November 2009 to December 2009:** Collaboration on the due diligence at “*Balice Distillati S.r.l.*” (S. Basilio di Mottola (TA) - Italy).
- **October 2009:** Design and construction supervision for a condominium electrical system at “*Condominio via Dalmazia n. 30*” (Bari - Italy).
- **May 2008:** Design and construction supervision for an Industrial electrical system at “*Barpasticceria Morisco g.&c. S.n.c. di Giovanni Morisco & c.*” (Bari - Italy).
- **From March 2004 to October 2004:** Internship on the continuous improvement process implementation at “*Avella Paolo*” (Bari - Italy).

● **TEACHING ACTIVITIES:**

- **Academic years 2021-2022 - present:** Assistant Professor of “*Systems Modelling and Simulation*” at the Department of Information Engineering, Computer Science and Mathematics (DISIM) – Master’s Degrees in Computer and Systems Engineering, at the University of L’Aquila (Italy).
- **Academic years 2019-2020 - present:** Assistant Professor of “*Management Control*” at the Department of Industrial and Information Engineering and Economics (DIIE) – Master’s Degrees in Electronic Engineering, in Electrical Engineering, and in Mechanical Engineering, at the University of L’Aquila (Italy).
- **Academic years 2019-2020 - present:** Assistant Professor of “*Environmental Systems Modeling and Control*” at the Department of Civil, Construction-Architectural and Environmental Engineering (DICEAA), Bachelor’s Degree in Civil and Environmental Engineering, at the University of L’Aquila (Italy).
- **Academic year 2018/2019:** Support to the lecturer in “*Systems Analysis and Simulation*”, Department of Mechanical Engineering, Mathematics and Management of the Polytechnic of Bari;
- **Academic years 2011/2012 – 2018/2019:** Support to the lecturer in “*Fundamentals of Control Systems Engineering*” and “*Automatic Control*”, Department of Electrical and Information Engineering of the Polytechnic of Bari.

- **School year 2013/2014:** Teacher of “*Applied Mathematics*” at “Benedetto Croce” (Bari - Italy), National Commercial Technical Institute.
- **April 2012:** Teacher of “*Management systems and organizational performance*” at “Dante Alighieri” (Fasano (BR) - Italy), training institutions.
- **Academic year 2011/2012- present:** *Correlator* of thesis at the Polytechnic of Bari and at the University of L’Aquila; *co-tutor* of internships of foreign students; *supervisor* of thesis for foreign students.
- **Academic year 2011/2012:** Support to the lecturer in “*Modelling and Simulation with MATLAB and Simulink*”, Department of Electrical and Information Engineering of Polytechnic of Bari.
- **Academic years 2005/06, A.A. 2006/07, A.A. 2007/08, A.A. 2010/2011:** Support to the lecturer in “*Economics and Business Administration*”, Department of Electrical and Information Engineering of Polytechnic of Bari.

• **EDITORIAL ACTIVITIES:**

(a) Memberships and affiliations

- Since 2021: Technical Committee IEEE Robotics and Automation (RAS) Society - TC on *Digital Manufacturing and Human Centered Automation*.
- Since 2021: *Smart Cities and Communities National Lab* - CINI (National Interuniversity Consortium for Informatics).
- Since 2020: Technical Committee IEEE Systems, Man, and Cybernetics (SMC) Society – TC on *Intelligent Systems to Human-aware Sustainability*.
- Since 2019: *Institute for Systems and Technologies of Information, Control and Communication* (INSTICC).
- Since 2018: Technical Committee *International Federation of Automatic Control* (IFAC) - TC 7.4. Transportation Systems.
- Since 2018: Technical Committee *International Federation of Automatic Control* (IFAC) - TC 9.3. Control for Smart Cities.

(b) Editor for international journals

- Since Sept. 2020: Topic Editor *MDPI Automation*. (ISSN 2673-4052).  
Special Issue: “*Networked predictive control for complex systems*” (Oct. 15, 2021).
- Since Sept. 2020: Topic Editor *MDPI Processes* (ISSN 2227-9717 - Impact Factor 2019: 2.753).  
Special Issue: “*Uncertain decision-making methods in energy management*” (Nov. 30, 2021) - Section: Advanced Digital and Other Processes.
- Since Sept. 2020: Topic Editor *MDPI Electronics* (ISSN 2079-9292 - Impact Factor 2019: 2.412).  
Special Issue: “*Novel approaches to improve the efficiency and resiliency of dynamical systems*” (July 15, 2021) – Section: Systems & Control Engineering.

(c) Associate Editor and Organization of Invited Session for international conferences

- Associate Editor *2021 IEEE Int. Conf. on Systems, Man, and Cybernetics* (SMC 2021), Oct. 17-21, 2021, Melbourne (Australia).
- Organization invited session on “Data mining and control tools applications for complex systems” *29<sup>th</sup> Mediterranean Conference on Control and Automation* (MED 2021), June 22-25, 2021, Bari (Italy).
- Associate Editor *29<sup>th</sup> Mediterranean Conference on Control and Automation* (MED 2021), June 22-25, 2021, Bari (Italy).
- Associate Editor *2020 IEEE Int. Conf. Systems, Man and Cybernetics* (SMC2020), Oct. 11-14, 2020, Toronto (Canada).
- Associate Editor *2019 IEEE Int. Conf. on Systems, Man and Cybernetics* (SMC2019), Oct. 6-9, 2019, Bari (Italy).

(d) Editorial Board and Committee member for international conferences

- Progr. Comm. *3<sup>rd</sup> Int. Conf. Advances in Signal Processing & Artificial Intelligence* (ASPAI2021), Nov. 17-19, 2021, Porto (Portugal).
- Program Committee *2021 Int. Conf. Intelligent Vehicles* (ICoIV2021), Nov. 7-9, 2021, Chengdu (China).
- Technical Committee *2<sup>nd</sup> Int. Conf. on Control Theory and Applications* (ICoCTA2021), Nov. 4-6, 2021, Chengdu (China).
- Progr. Comm. *2021 Int. Conf. on Electric Vehicle and Vehicle Engineering* (CEVVE2021), Sept. 17-19, 2021, Frankfurt (Germany).
- Progr. Comm. *5<sup>th</sup> Int. Conf. SmartRail, Traffic & Transportation Engineering* (ICSTTE2021), Sept. 17-19, 2021, Frankfurt (Germany).
- Progr. Comm. *2021 Int. Conf. on Transport and Smart Cities* (ICoTSC2021), Sept. 17-19, 2021, Frankfurt (Germany).
- Progr. Comm. *2021 Int. Conf. on Smart Transportation and Future Mobility* (CSTFM2021), Sept. 17-19, 2021, Frankfurt (Germany).
- Progr. Comm. *29<sup>th</sup> Mediterranean Conference on Control and Automation* (MED2021), June 22-25, 2021, Bari (Italy).
- Scientific Committee *13<sup>th</sup> Int. Symposium Logistics & Supply Chain Management* (LOGISTIQUA2020), Dec.2-4, 2020, Fez (Morocco).
- Progr. Comm. *2<sup>nd</sup> Int. Conf. Advances in Signal Processing and Artificial Intelligence* (ASPAI2020), Nov.18-20,2020,Berlin (Germany).
- Program Committee *2020 Int. Conf. Intelligent Vehicles* (ICoIV2020), Sept.16-18, 2020, Berlin, (Germany).
- Technical Committee *2020 Int. Conf. Control Theory and Applications* (ICoCTA2020), Feb. 17-19, 2020, Sydney (Australia).
- Editorial Board, Technical Committee member, Program Chair *3<sup>rd</sup> Int Conf New Energy Vehicle & Vehicle Eng.* (NEVVE2019), Oct.18-20, 2019, Jeju Island (Korea).

- Progr. Comm. 3<sup>rd</sup> Int. Conf. SmartRail Traffic & Transport. Eng. (ICSTTE2019), Oct.18-20,2019,Jeju Island (Korea).
- Program Chair 3<sup>rd</sup> Int. Joint Conf. Civil & Mechanical Engineering (JCCME2019), Oct.18-20,2019, Jeju Island (Korea).
- Progr. Comm. 3<sup>rd</sup> Int. Conf. Naval Architecture & Ocean & Marine Eng. (NAOME2019), Oct.18-20,2019,Jeju Island (Korea).
- Track Program Committee (Track 4: "Automated Manufacturing Systems") 24<sup>th</sup> IEEE Int. Conf. Emerging Technologies & Factory Automation (ETFA2019), Sept. 10-13, 2019, Zaragoza (Spain).
- Progr. Committee 1<sup>st</sup> IFAC Workshop on Control of Transport. Syst. (WCSTS2019), June 30–July 1, 2019, Haifa (Israel).
- Progr. Comm. 1<sup>st</sup> Int. Conf. Advances in Signal Processing & Artificial Intelligence (ASPAI2019), March20-22,2019,Barcelona (Spain).
- Progr. Comm. 2019 IFAC Workshop Control Smart Grid & Renewable Energy Syst.(CSGRES2019), June10-12,2019,Jeju Island(Korea).
- Progr. Comm. 5<sup>th</sup> Int. Conf. Vehicle Technol. & Intell. Transport Syst. (VEHITS2019), May 3-5,2019, Crete (Greece).
- Progr. Committee 2<sup>nd</sup> Int. Conf. SmartRail, Traffic & Transport. Eng. (ICSTTE2018), Oct. 26-28, 2018, Seoul (Korea).
- Editorial Board & Program Chair 2<sup>nd</sup> Int. Conf. New Energy Vehicle & Vehicle Eng. (NEVVE2018), Oct.26-28,2018, Seoul (Korea).
- Track Program Committee (Track 4: "Automated Manufacturing Systems") 23<sup>rd</sup> IEEE Int. Conf. Emerging Technologies & Factory Automation (ETFA2018), Sept. 4-7, 2018, Torino (Italy).
- Progr. Comm. 4<sup>th</sup> Int. Conf. Vehicle Technology & Intelligent Transport Syst. (VEHITS2018), March 16-18, 2018, Funchal (Portugal).
- Editorial Board & Program Chair 1<sup>st</sup> Int Conf New Energy Vehicle and Vehicle Eng.(NEVVE2017),Dec.15-18,2017, H. Kong(China).
- Progr. Comm. 2017 Int. Conf. SmartRail Traffic & Transport. Eng. (ICSTTE2017),July21-23,2017, Hong Kong (China).
- Progr. Comm. 3<sup>rd</sup> Int. Conf. Vehicle Technology & Intelligent Transport Systems (VEHITS2017), Apr. 22-24, 2017, Porto (Portugal).

(e) Reviewer for international journals (# 64)

Int. J. Environmental Research and Public Health (IF2020: 3.390); Transportation Research Part E: Logistics and Transportation Review (IF 2019: 4.690); Computer Methods & Programs in Biomedicine (IF 2019: 3.632); Mathematical Biosciences and Engineering (IF 2019: 1.285); Applied Sciences (IF 2019: 2.474); MethodsX (IF 2018: 3.782); Sensors (IF 2019: 3.275); Hindawi Journal of Advanced Transportation (IF 2019: 1.670); IEEE Systems Journal (IF 2019: 3.987); Sustainability (IF 2019: 2.576); Operational Research - An International Journal (IF: 1.759); Elsevier Technological Forecasting & Social Change (IF 2019: 5.846); Journal of Biomedical and Health Informatics (IF 2019: 4.217); Journal of Traffic and Transportation Engineering (Cite Score 2018: 2.43); Springer Soft Computing (IF 2018: 2.784); IEEE Transactions on Emerging Topics in Computing (IF 2018: 4.989); VGTU Transport (CS 2018: 1.78); AIMS Mathematics; Elsevier Sustainable Production and Consumption (CS 2018: 4.190); Springer Nature - SN Applied Sciences; Springer Sādhanā - Academy Proceedings in Engineering Science (IF 2017: 0.592); Elsevier Evaluation and Program Planning (IF 2017: 1.210); Hindawi - Discrete Dynamics in Nature and Society (IF 2017: 0.757); MDPI Mathematics (CS 2018: 0.97); At - Automatisierungstechnik (IF 2017: 0.503); Elsevier Applied Soft Computing (IF 2017: 3.907); Resources, Conservation & Recycling (IF 2017: 5.120); International Journal of Management Science and Engineering Management (CS 2017: 1.40); International Journal of Information Technology & Decision Making (IF 2016: 1.664); International Journal of Fuzzy Systems (IF 2016: 2.198); IEEE Transactions on Systems, Man, and Cybernetics: Systems (IF 2016: 2.350); Springer 4OR - A Quarterly Journal of Operations Research (IF 2016: 1.559); Measurement, the Journal of the International Measurement Confederation (IF 2016: 2.359); IEEE Transactions on Intelligent Transportation Systems (IF 2016: 3.724); Journal of the Operational Research Society (IF 2016: 1.077); Computers & Operations Research (IF 2016: 2.600); Journal of Process Mechanical Engineering (IF 2016: 1.448); Journal of Applied Research and Technology (CS 2016: 0.81); International Journal of Electrical and Computer Engineering (CS 2016: 1.22); Mathematics and Computers in Simulation (Impact Factor 2016: 1.218); Expert Systems with Applications (IF 2016: 3.928). **Certificate of outstanding contribution in reviewing** (Apr2018); Cogent Engineering - Taylor & Francis (CS 2017: 0.93); Operational Research: An International Journal (IF 2016: 1.065); Journal of Statistical Software (IF 2016: 2.647); INFOR: Information Systems and Operational Research (IF 2015: 0.171); Applied Mathematical Modelling (IF 2015: 2.291); Annals of Operations Research (IF 2015: 1.406); IET Intelligent Transport Systems (IF 2014: 0.804); IEEE Transactions on Control Systems Technology (IF 2014: 2.818); RAIRO - Operations Research (IF 2014: 0.405); Fuzzy Optimization and Decision Making (IF 2014: 2.163); IEEE Transactions on Automatic Control (IF 2014: 2.779); Journal of Computational and Applied Mathematics (IF 2014: 1.266); International Transactions in Operational Research (IF 2014: 0.977); Production Planning & Control (IF 2014: 1.466); International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems (IF 2014: 0.619); Journal of Risk and Reliability (IF 2014: 0.860); Information Sciences (IF 2014: 4.038); International Journal of Production Research (IF 2014: 1.323); Transportation Research Part C: Emerging Technologies (IF 2013: 2.820); Computers & Industrial Engineering (IF 2013: 1.690). **Certificate outstanding contribution in reviewing** (Jan. 2017, May 2017); Journal of Engineering for the Maritime Environment (IF 2013: 0.458); International Journal of Production Economics (IF 2012: 2.081); IEEE Transactions on Automation Science and Engineering (IF 2012: 1.674); European J. of Operational Research (IF 2012: 2.038). **Certificate outstanding contribution in reviewing** (Oct. 2017).

(f) Reviewer for international conferences (# 58)

2021 Int. Conf. Electric Vehicle & Vehicle Eng. (CEVVE2021), Sept. 17-19, 2021, Frankfurt (Germany); 29<sup>th</sup> Med. Conf. Control & Automation (MED2021), June 22-25, 2021, Bari (Italy); 16<sup>th</sup> IFAC Symp. Control in Transportation Systems (CTS2021), June 8-10, 2021, Lille (France); 2021 Europ. Control Conf. (ECC2021), June 29-July 2, 2021, Rotterdam (The Netherlands); 2<sup>nd</sup> Int. Conf. on Control Theory and Applications (ICoCTA 2021), Feb. 23-25, 2021, Guangzhou (China); 2020 IEEE Int. Conf. Systems, Man and Cybernetics (SMC2020), Oct. 11-14, 2020, Toronto (Canada); 13<sup>th</sup> Int. Symposium Logistics & Supply Chain Management (LOGISTIQUA2020), June 3-5, 2020, Fez (Morocco); 59<sup>th</sup> IEEE Conf. Decision and Control (CDC2020), Dec. 8-11, 2020, Jeju Island (Korea); 28<sup>th</sup> Mediterranean Conf. on Control & Automation (MED2020), June 16-19, 2020, Saint-Raphaël (France); 21<sup>st</sup> IFAC World Congress (IFAC2020), July 12-17, 2020, Berlin (Germany); 2020 European Control Conf. (ECC2020), May 12-15, 2020, Saint Petersburg (Russia); 2019 IEEE/RSJ Int. Conf. on Intelligent Robots and Systems (IROS2019), Nov. 3-8, 2019, Macau (China); 3<sup>rd</sup> Int. Conf. on Computer Science and Application Engineering (CSAE 2019), Oct. 22-24, 2019, Sanya (China); 3<sup>rd</sup> Int Conf New Energy Vehicle & Vehicle Engin. (NEVVE2019), Oct.18-20, 2019, Jeju Isl. (Korea). **Best Reviewer of the conference**; 23<sup>rd</sup> Int. Conf. on System Theory, Control and Computing (ICSTCC2019), Oct. 9-11, 2019, Sinaia (Romania); 2019 IEEE Int. Conf. on Systems, Man, and Cybernetics (SMC2019), Oct. 6-9, 2019, Bari (Italy); 24<sup>th</sup> IEEE Conf. on Emerging Technologies and Factory Automation (ETFA2019), Sept. 10-13, 2019, Zaragoza (Spain); 2019 IEEE 15<sup>th</sup> Int. Conf Automation Science and Engineering (CASE2019), Aug. 22-26, 2019, Vancouver (Canada); 2019 European Control Conf. (ECC2019), June 25-28, 2019, Naples (Italy); 2<sup>nd</sup> Int. Conf. on Mechanical, Electric and Industrial Engineering (MEIE2019), May 25-27, 2019, Hangzhou (China); 3<sup>rd</sup> Int. Conf. on Economic and Business Management (FEBM2018), Oct. 20-22, 2018, Hohhot (China); 23<sup>rd</sup> IEEE Int. Conf. on Emerging Technologies And Factory Automation (ETFA2018), Sept. 4-7, 2018, Torino (Italy); 14<sup>th</sup> IEEE Int. Conf. on Automation Science and Engineering (CASE2018), Aug. 20-24, 2018, Munich (Germany);

15<sup>th</sup> IFAC Symp. on Control in Transportation Systems (**CTS2018**), June 6-8, 2018, Savona (Italy); 4<sup>th</sup> Int. Conf. Vehicle Technology & Intelligent Transport Syst. (**VEHITS2018**), March 16-18, 2018, Funchal (Portugal); Int Conf New Energy Vehicle & Vehicle Engin. (**NEVVE2017**), Dec.15-18, 2017, H. Kong (China). **Best Reviewer of the conference**; 2017 Int. Conf. SmartRail Traffic & Transportation Engineering (**ICSTTE2017**), July 21-23, 2017, Hong Kong (China); 22<sup>nd</sup> IEEE Int. Conf. Emerging Technologies & Factory Automation (**ETFA2017**), Sept.12-15, 2017, Limassol (Cyprus); 2017 IEEE Int. Conf. on Service Operations and Logistics, and Informatics (**SOLI2017**), Sept. 18-20, 2017, Bari (Italy); 13<sup>th</sup> IEEE Conf. on Automation Science and Engineering (**CASE2017**), Aug. 20-23, 2017, Xi'an (China); 14<sup>th</sup> IEEE Int. Conf. on Networking, Sensing and Control (**ICNSC2017**), May 16-18, 2017, Calabria (Italy); 4<sup>th</sup> Int. Conf. on Control, Decision and Information Technologies (**CODIT17**), Apr. 5-7, 2017, Barcelona (Spain); 3<sup>rd</sup> Int. Conf. Vehicle Technology & Intelligent Transport Systems (**VEHITS2017**), Apr. 22-24, 2017, Porto (Portugal); 20<sup>th</sup> World Congress International Federation of Automatic Control (**IFAC2017**), July 9-14, 2017, Toulouse (France); Int. Ann. Conf. **AEIT** (Ass. It. Elettrotecnica, Elettronica, Automazione, Informatica, Telecomunicazioni), Oct.5-7,2016, Capri (Italy); 21<sup>st</sup> IEEE Int. Conf. Emerging Technologies & Factory Automation (**ETFA2016**), Sept. 6-9, 2016, Berlin (Germany); 12<sup>th</sup> IEEE Int. Conf. on Automation Science and Engineering (**CASE2016**), Aug. 21-24, 2016, Fort Worth (TX, USA); 55<sup>th</sup> IEEE Conf. on Decision and Control (**CDC2016**), Dec. 12-14, 2016, Las Vegas (NV, USA); 13<sup>th</sup> Int. Workshop on Discrete Event Systems (**WODES2016**), May 30-June 1, 2016, Xi'an (China); 2<sup>nd</sup> Int. Conf. Vehicle Technology and Intelligent Transport Systems (**VEHITS2016**), Apr. 23-24, 2016, Rome (Italy); 14<sup>th</sup> IFAC Symp. on Control in Transportation Systems (**CTS2016**), May 18-20, 2016, Istanbul (Turkey); 15<sup>th</sup> European Control Conf. (**ECC2016**), June 29-July 1, 2016, Aalborg (Denmark); 45<sup>th</sup> Int. Conf. on Computers & Industrial Engineering (**CIE45**), Oct. 28-30, 2015, Metz (France); 2015 Int. Symp. INnovations in Intelligent SysTems and Applications (**INISTA2015**), Sept. 2-4, 2015, Madrid (Spain); 18<sup>th</sup> IEEE Int. Conf. on Intelligent Transportation Systems (**ITSC2015**), Sept. 15-18, 2015, Las Palmas (Spain); 11<sup>th</sup> IEEE Int. Conf. on Automation Science and Engineering (**CASE2015**), Aug. 24-28, 2015, Gothenburg (Sweden); 14<sup>th</sup> European Control Conf. (**ECC2015**), July, 15-17, 2015, Linz (Austria); 17<sup>th</sup> IEEE Int. Conf. on Intelligent Transportation Systems (**ITSC2014**), Oct. 8-11, 2014, Qingdao (China); 2014 IEEE Int. Conf. on Systems, Man, and Cybernetics (**SMC2014**), Oct. 5-8, 2014, San Diego (CA, USA); 19<sup>th</sup> World Congress Int. Federation of Automatic Control (**IFAC2014**), Aug. 24-29, 2014, Cape Town (South Africa); 13<sup>th</sup> European Control Conf. (**ECC2014**), June 24-27, 2014, Strasbourg (France); 2014 IEEE Int. Conf. on Robotics and Automation (**ICRA2014**), May 31-June 7, 2014, Hong Kong (China); 5<sup>th</sup> Int. Conf. Knowledge Management and Information Sharing (**KMIS2013**), Sept. 19-22, 2013, Vilamoura (Portugal); 3<sup>rd</sup> IFAC Int. Conf. on Intelligent Control and Automation Science (**ICONS2013**), Sept. 2-4, 2013, Chengdu (China); 18<sup>th</sup> IEEE Conf. on Emerging Technologies and Factory Automation (**ETFA2013**), Sept. 10-13, 2013, Cagliari (Italy); 16<sup>th</sup> IEEE Int. Conf. on Intelligent Transportation Systems (**ITSC2013**), Oct. 6-9, 2013, The Hague (The Netherlands); 9<sup>th</sup> IEEE Int. Conf. on Automation Science and Engineering (**CASE2013**), Aug. 17-21, 2013, Madison (WI, USA); 9<sup>th</sup> IEEE Int. Conf. on Intelligent Computing (**ICIC2013**), July 28-31, 2013, Nanning (China); 8<sup>th</sup> IEEE Int. Conf. on Intelligence Computing (**ICIC2012**), July 25-29, 2012, Huangshan (China).

## • **SCIENTIFIC PUBLICATIONS:**

- *Scopus* details: Documents: 44; Citations: 496; H-index: 12.
- *Web of Science* details: Documents: 39; Citations: 347; H-index: 10.
- *Google Scholar* details: Documents: 52; Citations: 713; H-index: 14; i10-index: 23.

*Web pages:*

- *University* profile: <https://www.disim.univaq.it/didattica/content.php?lid=en&pid=87&did=0&docente=322>
- *Scopus* profile: <https://www.scopus.com/authid/detail.uri?authorId=55561225600>

### ***Main research areas:***

Supplier selection, Supply Chain Network Design, Multi-Criteria Decision Making, Decision Support Systems, Re-engineering, Optimization, Industry 4.0, Logistics, Transportation, Railway networks, Energy systems, Energy scheduling, Management, Fuzzy logic, Game theory, Control theory, Modeling and simulation, Dynamic systems.

#### ***(a) International Journals and scientific books***

- [j1] N. Epicoco, E. De Santis, S. Hammadi (2021), “A robust dynamic DEA-based method to predict the most efficient systems inputs”, IEEE Transactions on Automation Science and Engineering (IF 2019: 4.938). To be submitted.
- [j2] N. Epicoco, R. Carli, R. Pellegrino, M. Dotoli (2021), “A multi-criteria group decision-making technique for sustainable smart metropolitan cities”, Applied Energy (IF 2019: 8.848). Submitted.
- [j3] N. Epicoco, M. Falagario (2021), “Decision support tools for developing sustainable transportation systems in the EU: A review of research needs, barriers, and trends”. Research in Transportation Business & Management (IF 2019: 2.189). Submitted.
- [j4] P. Scarabaggio, Carli, G. Cavone, N. Epicoco, M. Dotoli (2021), “Non-pharmaceutical stochastic optimal control strategies to mitigate the COVID-19 spread”, IEEE Transactions on Automation Science and Engineering (IF 2019: 4.938). Conditionally accepted.

- [j5] B. Abdollahzadeh, S. Barshandeh, H. Javadi, N. Epicoco (2021), “An enhanced binary slime mould algorithm for solving the 0–1 knapsack problem”, *Engineering with Computers* (IF 2019: 3.211). Accepted.
- [j6] R. Carli, G. Cavone, N. Epicoco, P. Scarabaggio, M. Dotoli (2020), “Model Predictive Control to mitigate the COVID-19 outbreak in a multi-region scenario”. *Annual Reviews in Control* (IF2019: 4.987), vol. 50, pp. 373-393. DOI: 10.1016/j.arcontrol.2020.09.005.
- [j7] G. Cavone, M. Dotoli, N. Epicoco, D. Morelli, C. Seatzu (2020), “Design of modern Supply Chain Networks using fuzzy bargaining game and Data Envelopment Analysis”. *IEEE Transactions on Automation Science and Engineering* (IF2019: 4.938), vol. 17 (3), pp. 1221-1236; art. n. 9040428. ISSN: 15455955; DOI: 10.1109/TASE.2020.2977452.
- [j8] M. Dotoli, N. Epicoco, M. Falagario (2020), “Multi-Criteria Decision Making techniques for the management of public procurement tenders: A case study”. *Applied Soft Computing* (IF2019: 5.472), vol. 88, art. n. 106064, 17 pp. ISSN: 15684946; DOI: 10.1016/j.asoc.2020.106064.
- [j9] M. Dotoli, N. Epicoco (2020), “Integrated network design of agile resource-efficient Supply Chains under uncertainty”. *IEEE Transactions on Systems, Man, and Cybernetics: Systems* (IF2017: 2.350), vol. 50 (11), art. n. 8421073, pp. 4530-4544. ISSN: 21682216; DOI: 10.1109/TSMC.2018.2854620.
- [j10] R. Carli, M. Dotoli, N. Epicoco (2017), “Monitoring traffic congestion in urban areas through probe vehicles: A case study analysis”. *Internet Technology Letters*. vol. 1 (4), 1:e5, 7 pp. DOI: 10.1002/itl2.5.
- [j11] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu (2017), “Intermodal terminal planning by Petri Nets and Data Envelopment Analysis”. *Control Engineering Practice* (IF2016: 1.830), vol. 69, pp. 9-22. ISSN: 09670661; DOI: 10.1016/j.conengprac.2017.08.007.
- [j12] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu (2017), “A decision making procedure for robust train rescheduling based on Mixed Integer Linear Programming and Data Envelopment Analysis”. *Applied Mathematical Modelling* (IF2016: 2.350), vol. 52, pp. 255-273. ISSN: 0307904X; DOI: 10.1016/j.apm.2017.07.030.
- [j13] M. Dotoli, N. Epicoco, M. Falagario, C. Seatzu, B. Turchiano (2017), “A Decision Support System for optimizing operations at intermodal railroad terminals”. *IEEE Transactions on Systems Man and Cybernetics: Systems* (IF2015: 1.598), vol. 47 (3), pp. 487-501. DOI: 10.1109/TSMC.2015.2506540.
- [j14] M. Dotoli, N. Epicoco, M. Falagario (2017), “A fuzzy technique for Supply Chain Network Design with quantity discounts”. *International Journal of Production Research* (IF2014: 1.477), vol. 55 (7), pp. 1862-1884. ISSN: 00207543; DOI: 10.1080/00207543.2016.1178408.
- [j15] M. Dotoli, N. Epicoco, M. Falagario, G. Cavone (2016), “A Timed Petri Nets model for performance evaluation of intermodal freight transport terminals”. *IEEE Transactions on Automation Science and Engineering* (IF2015: 2.428), vol. 13 (2), pp. 842-857. ISSN: 1545-5955; DOI: 10.1109/TASE.2015.2404438.
- [j16] M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore (2016), “A stochastic cross-efficiency Data Envelopment Analysis approach for supplier selection under uncertainty”. *International Transactions in Operational Research* (IF2014: 0.977), vol. 23 (4), pp. 725-748. ISSN: 09696016; DOI: 10.1111/itor.12155.
- [j17] M. Dotoli, N. Epicoco, M. Falagario, N. Costantino, B. Turchiano (2015), “An integrated approach for warehouse analysis and optimization: A case study”. *Computers in Industry* (IF2014: 1.287), vol. 70 (1), pp. 56-69. ISSN: 01663615; DOI: 10.1016/j.compind.2014.12.004.
- [j18] M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore (2015), “A cross-efficiency fuzzy Data Envelopment Analysis technique for performance evaluation of decision making units under uncertainty”. *Computers and Industrial Engineering* (IF2014: 1.783), vol. 79, pp. 103-114. ISSN: 03608352; DOI: 10.1016/j.cie.2014.10.026.



[j19] M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, N. Costantino (2014), “A *Nash equilibrium simulation model for the competitiveness evaluation of the auction based day ahead electricity market*”. *Computers in Industry (IF2013: 1.457)*, vol. 65 (4), pp. 774-785. ISSN: 01663615; DOI: 10.1016/j.compind.2014.02.014.

(b) *Proceedings of international conferences*

- [c1] P. Scarabaggio, R. Carli, G. Cavone, N. Epicoco, M. Dotoli, “*Modeling, estimation, and optimal control of anti-COVID-19 multi-dose vaccine administration*”. 2021 IEEE 17<sup>th</sup> Int. Conf. on Automation Science and Engineering (CASE 2021), August 23-27, 2021, Lyon (France). Accepted.
- [c2] G. Cavone, N. Epicoco, R. Carli, A. Del Zotti, J. P. Ribeiro Pereira, M. Dotoli, “*Parcel delivery with drones: Multi-criteria analysis of trendy system architectures*”. 29<sup>th</sup> Mediterranean Conf. on Control and Automation (MED 2021), June 22-25, 2021, Bari (Italy). DOI: 10.1109/MED51440.2021.9480332.
- [c3] P. Scarabaggio, R. Carli, G. Cavone, N. Epicoco, M. Dotoli, “*Modeling, estimation, and analysis of COVID-19 secondary waves: The case of the Italian country*”. 29<sup>th</sup> Mediterranean Conf. on Control and Automation (MED 2021), June 22-25, 2021, Bari (Italy). DOI: 10.1109/MED51440.2021.9480319.
- [c4] R. Carli, G. Cavone, N. Epicoco, M. Di Ferdinando, P. Scarabaggio, M. Dotoli, “*Consensus-based algorithms for controlling swarms of Unmanned Aerial Vehicles*”. 19<sup>th</sup> Int. Conf. on Ad Hoc Networks and Wireless (AdHoc-Now 2020), Oct. 19-21, 2020, Bari (Italy); In: *Lecture Notes in Computer Science*, vol. 12338, pp. 84-99. ISSN: 03029743; ISBN: 978-3-030-61745-5; DOI: 10.1007/978-3-030-61746-2\_7.
- [c5] G. Cavone, N. Epicoco, M. Dotoli, “*Processes re-engineering based on Colored Petri Nets: The case of an Italian textile company*”. 28<sup>th</sup> Mediterranean Conf. on Control & Automation (MED 2020), Sept. 15-18, 2020, Saint-Raphaël (France). Art. n. 9182937, pp. 856-861. ISSN: 2473-3504; ISBN: 978-1-7281-5742-9; DOI: 10.1109/MED48518.2020.9182937.
- [c6] R. Carli, G. Cavone, M. Dotoli, N. Epicoco, C. Manganiello, L. Tricarico, “*ICT-based methodologies for sheet metal forming design: A survey on simulation approaches*”. 2019 IEEE Int. Conf. on Systems, Man, and Cybernetics (SMC 2019), Oct. 6-9, 2019, Bari (Italy). Art. n. 8914082, pp. 128-133. ISSN: 1062922X; ISBN: 978-172814569-3; DOI: 10.1109/SMC.2019.8914082.
- [c7] R. Carli, G. Cavone, M. Dotoli, N. Epicoco, P. Scarabaggio, “*Model Predictive Control for thermal comfort optimization in building energy management systems*”. 2019 IEEE Int. Conf. on Systems, Man, and Cybernetics (SMC 2019), Oct. 6-9, 2019, Bari (Italy). Art. n. 8914489, pp. 2608-2613. ISSN: 1062922X; ISBN: 978-172814569-3; DOI: 10.1109/SMC.2019.8914489.
- [c8] M. Dotoli, N. Epicoco, “*Emerging issues in control, decision, and ICT approaches for smart waste management*”. 6<sup>th</sup> IEEE Int. Conf. on Control Decision and Information Technologies (CODIT 2019), Apr. 23-26, 2019, Paris (France). Art. n. 8820603, pp. 446-451. ISBN: 978-172810521-5; DOI: 10.1109/CoDIT.2019.8820603.
- [c9] R. Carli, M. Dotoli, N. Epicoco, R. Pellegrino, “*Defining sustainable action plans in metropolitan cities using the fuzzy Analytic Hierarchy Process group decision analysis*”. 13<sup>th</sup> Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2018), Sept. 30-Oct. 4, 2018, Palermo (Italy).
- [c10] R. Carli, M. Dotoli, N. Epicoco, “*Cost-optimal energy scheduling of a smart home under uncertainty*”. 2<sup>nd</sup> IEEE Conference on Control Technology and Applications (CCTA 2018), Aug. 21-24, 2018, Copenhagen (Denmark). Art. n. 8511345, pp. 1668-1673. ISBN: 978-153867698-1; DOI: 10.1109/CCTA.2018.8511345.
- [c11] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu, “*A game-theoretical design technique for multi-stage Supply Chains under uncertainty*”. 14<sup>th</sup> IEEE International Conference on Automation Science and Engineering (CASE 2018), Aug. 20-24, 2018, Munich (Germany). Art. n. 8560501, pp. 528-533. ISSN: 21618070; ISBN: 978-153863593-3; DOI: 10.1109/COASE.2018.8560501.

- [c12] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu, “*Efficient resource planning of intermodal terminals under uncertainty*”. 15<sup>th</sup> IFAC Symposium on Control in Transportation Systems (CTS 2018), June 6-8, 2018, Savona (Italy); In: IFAC-PapersOnLine, vol. 51 (9), pp. 398-403. ISSN: 24058963; DOI: 10.1016/j.ifacol.2018.07.065.
- [c13] G. Cavone, M. Dotoli, N. Epicoco, M. Franceschelli, C. Seatzu, “*Hybrid Petri Nets to re-design low-automated production processes: The case study of a Sardinian bakery*”. 14<sup>th</sup> Workshop on Discrete Event Systems (WODES 2018), May 30-June 1, 2018, Sorrento (Italy); In: IFAC-PapersOnLine, vol. 51 (7), pp. 265-270, 2018. ISSN: 24058963; DOI: 10.1016/j.ifacol.2018.06.31.
- [c14] M. Dotoli, N. Epicoco, “*A vehicle routing technique for hazardous waste collection*”. 20<sup>th</sup> World Congress of the International Federation of Automatic Control (IFAC 2017), July 9-14, 2017, Toulouse (France); In: IFAC-PapersOnLine, vol. 50 (1), pp. 9694-9699, 2017. ISSN: 24058963; DOI: 10.1016/j.ifacol.2017.08.2051.
- [c15] M. Dotoli, N. Epicoco, “*A technique for the optimal management of containers’ drayage at intermodal terminals*”. 2016 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2016), Oct. 9-12, 2016, Budapest (Hungary). Art. n. 7844300, pp. 566-571. ISBN: 978-150901897-0; DOI: 10.1109/SMC.2016.7844300.
- [c16] M. Dotoli, N. Epicoco, M. Falagario, “*A technique for efficient multimodal transport planning with conflicting objectives under uncertainty*”. 15<sup>th</sup> European Control Conference (ECC 2016), June 29-July 1, 2016, Aalborg (Denmark). Art. n. 7810656, pp. 2441-2446. ISBN: 978-150902591-6; DOI: 10.1109/ECC.2016.7810656.
- [c17] M. Dotoli, N. Epicoco, C. Seatzu, “*An improved technique for train load planning at intermodal rail-road terminals*”. 20<sup>th</sup> IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2015), Sept. 8-11, 2015, Luxembourg. Art. n. 7301580. ISBN: 978-146737929-8; ISSN: 19460740; DOI: 10.1109/ETFA.2015.7301580.
- [c18] M. Dotoli, N. Epicoco, M. Falagario, “*Integrated supplier selection and order allocation under uncertainty in agile Supply Chains*”. 20<sup>th</sup> IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2015), Sept. 8-11, 2015, Luxembourg. pp. 3477-3482. Art. n. 7301509. ISBN: 978-146737929-8; ISSN: 19460740; DOI: 10.1109/ETFA.2015.7301509.
- [c19] R. Carli, M. Dotoli, N. Epicoco, B. Angelico, A. Vinciullo, “*Automated evaluation of urban traffic congestion using bus as a probe*”. 11<sup>th</sup> IEEE International Conference on Automation Science and Engineering (CASE 2015), Aug. 24-28, 2015, Gothenburg (Sweden). Art. n. 7294224, pp. 967-972. ISBN: 978-146738183-3; ISSN: 21618070; DOI: 10.1109/CoASE.2015.7294224.
- [c20] M. Dotoli, N. Epicoco, M. Falagario, B. Angelico, A. Vinciullo, “*A two-step optimization model for the pre- and end-haulage of containers at intermodal freight terminals*”. 14<sup>th</sup> European Control Conference (ECC 2015), July 15-17, 2015, Linz (Austria), Art. n. 7331071, pp. 3472-3477. ISBN: 978-395242693-7; DOI: 10.1109/ECC.2015.7331071.
- [c21] M. Dotoli, N. Epicoco, M. Falagario, “*A technique for Supply Chain Network Design under uncertainty using cross-efficiency fuzzy Data Envelopment Analysis*”. 15<sup>th</sup> IFAC Symposium on Information Control in Manufacturing (INCOM 2015), May 11-13, 2015, Ottawa (Canada); In: IFAC-PapersOnLine, vol. 48 (3), pp. 634-639, 2015. ISSN: 14746670; DOI:10.1016/j.ifacol.2015.06.153.
- [c22] N. Costantino, M. Dotoli, N. Epicoco, M. Falagario, “*A novel decision technique for the optimal supplier selection*”. 1<sup>st</sup> Workshop on the State of the art and Challenges Of Research Efforts (SCORE@POLIBA), Dec. 3-5, 2014, Bari (Italy), vol. C2, pp. 63-67. ISBN: 978-88-492-2967-7.
- [c23] B. Angelico, G. Cavone, M. Dotoli, N. Epicoco, M. Falagario, B. Turchiano, A. Vinciullo, “*New decision and control techniques for smart intermodal transport*”. 1<sup>st</sup> Workshop on the State of the art and Challenges Of Research Efforts (SCORE@POLIBA), Dec. 3-5, 2014, Bari (Italy), vol. B, pp. 303-307. ISBN: 978-88-492-2965-3.

- [c24] B. Angelico, R. Carli, M. Dotoli, N. Epicoco, C. A. Garavelli, A. Vinciullo, “*Findings from the SEMINA project: Algorithms for monitoring, evaluating and predicting the performance of urban traffic in a smart mobility setting*”. 1<sup>st</sup> Workshop on the State of the art and Challenges Of Research Efforts (SCORE@POLIBA), Dec. 3-5, 2014, Bari (Italy), vol. A, pp. 433-441. ISBN: 978-88-492-2964-6.
- [c25] M. Dotoli, N. Epicoco, M. Falagario, G. Cavone, B. Turchiano, “*Simulation and performance evaluation of an intermodal terminal using Petri Nets*”. 2<sup>nd</sup> IEEE International Conference on Control, Decision and Information Technologies (CODIT 2014), Nov. 3-5, 2014, Metz (France). Art. n. 6996915, pp. 327-332. ISBN: 978-147996773-5; DOI: 10.1109/CoDIT.2014.6996915.
- [c26] M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, “*Supplier evaluation and selection under uncertainty via an integrated model using cross-efficiency Data Envelopment Analysis and Monte Carlo simulation*”. 19<sup>th</sup> IEEE International Conference on Emerging Technologies & Factory Automation (ETFA 2014), Sept. 16-19, 2014, Barcelona (Spain). Art. n. 7005102, pp. 1-8. ISBN: 978-147994846-8; DOI: 10.1109/ETFA.2014.7005102.
- [c27] M. Dotoli, N. Epicoco, M. Falagario, B. Turchiano, G. Cavone, A. Convertini, “*A Decision Support System for real-time rescheduling of railways*”. 13<sup>th</sup> IEEE European Control Conference (ECC 2014), June 24-27, 2014, Strasbourg (France). Art. n. 6862177, pp. 696-701. ISBN: 978-395242691-3; DOI: 10.1109/ECC.2014.6862177.
- [c28] M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, B. Turchiano, “*Simulation and evaluation of the auction based day ahead energy market via a Nash equilibrium model and zonal pricing*”. 22<sup>nd</sup> Mediterranean Conference on Control & Automation (MED 2014), June 16-19, 2014, Palermo (Italy). Art. n. 6961515, pp. 1061-1066. ISBN: 978-147995900-6; DOI: 10.1109/MED.2014.6961515.
- [c29] M. Dotoli, N. Epicoco, M. Falagario, C. Seatzu, B. Turchiano, “*Optimization of intermodal railroad freight transport terminals*”. 2014 IEEE International Conference on Robotics and Automation (ICRA 2014), May 31-June 7, 2014, Hong Kong (China). Art. n. 6907120, pp. 1971-1976. ISSN: 10504729; DOI: 10.1109/ICRA.2014.6907120.
- [c30] M. Dotoli, N. Epicoco, M. Falagario, G. Cavone, “*A Timed Petri Nets model for intermodal freight transport terminals*”. 12<sup>th</sup> IFAC/IEEE Workshop on Discrete Event Systems (WODES 2104), May 14-16, 2014, Cachan (France). In: Discrete Event Systems, vol. 12, pp. 176-181; In: IFAC Proceedings Volumes, vol. 9 (3), pp. 176-181, Lennartson B., Lesage J.-J., Faure J.-M., Cury J.E.R. (Eds.) ISBN: 978-3-902823-61-8; ISSN: 14746670; DOI: 10.3182/20140514-3-FR-4046.00038.
- [c31] M. Dotoli, N. Epicoco, M. Falagario, D. Palma, B. Turchiano, “*A train load planning optimization model for intermodal freight transport terminals: A case study*”. 2013 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2013), Oct. 13-16, 2013, Manchester (UK). Art. n. 6722366, pp. 3597-3602. ISBN: 978-076955154-8; DOI: 10.1109/SMC.2013.613.
- [c32] N. Costantino, M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, “*Using cross-efficiency fuzzy Data Envelopment Analysis for healthcare facilities performance evaluation under uncertainty*”. 2013 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2013), Oct. 13-16, 2013, Manchester (UK). Art. n. 6721913, pp. 912-917. ISBN: 978-076955154-8; DOI: 10.1109/SMC.2013.160.
- [c33] M. Dotoli, N. Epicoco, M. Falagario, N. Costantino, “*A lean warehousing integrated approach: A case study*”. 18<sup>th</sup> IEEE Conference on Emerging Technologies & Factory Automation (ETFA 2013), Sept. 10-13, 2013, Cagliari (Italy). Art. n. 6648030. ISBN: 978-1-4799-0862-2; ISSN: 19460740; DOI: 10.1109/ETFA.2013.6648030.
- [c34] M. Dotoli, N. Epicoco, M. Falagario, A. Piconese, F. Sciancalepore, B. Turchiano, “*A real time traffic management model for regional railway network under disturbances*”. 9<sup>th</sup> IEEE International Conference on Automation Science and Engineering (CASE 2013), Aug. 17-21, 2013, Madison (Wisconsin, USA). Art. n. 6653977, pp. 892-897. ISBN: 978-1-4799-1515-6; ISSN: 21618070; DOI: 10.1109/CoASE.2013.6653977.

- [c35] M. Dotoli, F. Sciancalepore, N. Epicoco, M. Falagario, B. Turchiano, N. Costantino, “A periodic event scheduling approach for offline timetable optimization of regional railways”. 10<sup>th</sup> IEEE International Conference on Networking, Sensing and Control (ICNSC 2013), Apr. 10-12, 2013, Paris (France). Art. n. 6548849, pp. 849-854. ISBN: 978-1-4673-5198-0; DOI: 10.1109/ICNSC.2013.6548849. **Best paper finalist award.**
- [c36] M. Dassisti, M. Dotoli, N. Epicoco, M. Falagario, “Internal logistics integration by Automated Storage and Retrieval Systems: A reengineering case study”. Confederated International Workshops On the Move to Meaningful Internet Systems (OTM 2012), Sept. 10-14, 2012, Rome (Italy); In: Lecture Notes in Computer Science, vol. 7567, pp. 78-82. ISBN: 978-3-642-33617-1; ISSN: 03029743; DOI: 10.1007/978-3-642-33618-8\_14.
- [c37] N. Costantino, M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, “A cross efficiency fuzzy Data Envelopment Analysis technique for supplier evaluation under uncertainty”. 17<sup>th</sup> IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2012), Sept. 17-21, 2012, Krakòv (Poland). Art. n. 6489600. ISBN: 978-1-4673-4735-8; DOI: 10.1109/ETFA.2012.6489600.
- [c38] N. Costantino, M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, “A novel fuzzy Data Envelopment Analysis methodology for performance evaluation in a two-stage Supply Chain”. 8<sup>th</sup> IEEE International Conference on Automation Science and Engineering (CASE 2012), Aug. 20-24, 2012, Seoul (Korea). Art. n. 6386424, pp. 974-979. ISBN: 978-1-4673-0429-0; ISSN: 21618070; DOI: 10.1109/CoASE.2012.6386424.
- [c39] N. Costantino, M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, “A Nash equilibrium simulation model of the auction based day ahead electricity generation market”. 9<sup>th</sup> International Conference of Modeling, Optimization and Simulation (MOSIM'12), June 06-08, 2012, Bordeaux (France). HAL Id: hal-00728575.

(c) Proceedings of national conferences

- [n1] P. Scarabaggio, R. Carli, G. Cavone, N. Epicoco, M. Dotoli, “Non-pharmaceutical stochastic optimal control strategies to mitigate the COVID-19 spread”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2021), Sept. 9-10, 2021, Catania (Italy).
- [n2] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu, “Stochastic, fuzzy, and game theoretical methods for the automatic design of Supply Chain Networks”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2017), Sept. 12-14, 2018, Firenze (Italy).
- [n3] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu, “Intermodal Terminal Planning using Petri Nets and Data Envelopment Analysis”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2017), Sept. 11-13, 2017, Milano (Italy).
- [n4] G. Cavone, M. Dotoli, N. Epicoco, C. Seatzu, “A Decision Support System for real-time management of railway systems under disturbances”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2016), Sept. 5-7, 2016, Roma (Italy).
- [n5] M. Dotoli, N. Epicoco, M. Falagario, “Optimization models for the strategic management of first and last miles by road at intermodal freight terminals”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2015), Sept. 7-9, 2015, Bari (Italy).
- [n6] G. Cavone, M. Dotoli, N. Epicoco, B. Turchiano, “A decision support tool for robust real time rescheduling of local railway networks under disturbances”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2015), Sept. 7-9, 2015, Bari (Italy).
- [n7] M. Dotoli, N. Epicoco, M. Falagario, G. Cavone, “A Timed Petri Nets model for performance evaluation of intermodal freight transport terminals”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2014), Sept. 8-10, 2014, Bergamo (Italy).
- [n8] M. Dotoli, N. Epicoco, M. Falagario, C. Seatzu, B. Turchiano, “A Decision Support System for optimizing intermodal inland rail-road freight transport terminals”. Convegno Annuale dei Docenti e Ricercatori Italiani in Automatica (SIDRA 2014), Sept. 8-10, 2014, Bergamo (Italy).

[n9] M. Dotoli, N. Epicoco, M. Falagario, B. Turchiano, “*Tecniche ICT per l’ottimizzazione sostenibile del trasporto merci intermodale: applicazione a un caso in studio di terminal ferroviario della città di Bari*”. Green City Energy 2013 (II Ed.) – Forum Internazionale per lo sviluppo della Smart City nell’area mediterranea, Dec. 2-3, 2013, Bari (Italy).

[n10] N. Costantino, M. Dotoli, N. Epicoco, M. Falagario, F. Sciancalepore, “*An offline timetable scheduling technique for railways service level optimization: A case study*”. 14<sup>th</sup> Conference of the Italian Association of Transport Economics (SIET 2012), June 28-30, 2012, Bari (Italy).

• **SPEAKER AND CHAIR AT SCIENTIFIC CONFERENCES AND INVITED TALKS**

- Bari (Italy), 25 giugno 2021: Co-chair at the “*29<sup>th</sup> Mediterranean Conference on Control and Automation (MED 2021)*”, session on “Fault diagnosis” (virtual conference).
- Bari (Italy), 24 giugno 2021: Co-chair at the “*29<sup>th</sup> Mediterranean Conference on Control and Automation (MED 2021)*”, session on “Predictive control” (virtual conference).
- Bari (Italy), 24 giugno 2021: Speaker at the “*29<sup>th</sup> Mediterranean Conference on Control and Automation (MED 2021)*”, session on “Smart transportation and logistics systems” (virtual conference).
- Bari (Italy), June 23, 2021: Chair at the “*29<sup>th</sup> Mediterranean Conference on Control and Automation (MED 2021)*”, session on “Data mining and control tools applications for complex systems” (virtual conference).
- Toronto (Canada), October 12, 2020: Chair at the “*2020 IEEE Int. Conf. Systems, Man and Cybernetics (SMC2020)*”, session on “Decision support systems” (virtual conference).
- L’Aquila (Italy), December 18, 2019: Speaker at the “*New Faculty Seminars @DISIM*”, University of L’Aquila (talk on “*Decision and control tools for sustainable management of logistics and transportation systems*”).
- Bari (Italy), October 7, 2019: Speaker at the “*2019 IEEE Int. Conf. on Systems, Man, and Cybernetics (SMC 2019)*”, session on “Industry 4.0 and Optimization”.
- Bari (Italy), March 5, 2019: Speaker at the workshop “*Project UCCSM: an Urban Control Center for the Metropolitan Smart cities*”, Polytechnic of Bari (talk on “*Programming of action plans for the energy sustainability of the metropolitan city*”).
- Bari (Italy), December 11, 2015: Speaker at the workshop on “*New sustainable transport scenarios for Smart Cities*”, Polytechnic of Bari (talk on “*A decision support system for the management and optimization of activities in intermodal rail-road transport terminals*”).
- Bari (Italy), December 10, 2015: Speaker at the workshop on “*ICT solutions & Smart Mobility*”, Polytechnic of Bari.
- Luxembourg, September 10, 2015: Speaker at the *20<sup>th</sup> IEEE Int. Conf. on Emerging Technologies and Factory Automation (ETFA 2015)*, session on “Scheduling and optimization in manufacturing systems”.
- Luxembourg, September 9, 2015: Speaker at the *20<sup>th</sup> IEEE Int. Conf. on Emerging Technologies and Factory Automation (ETFA 2015)*, session on “Automated manufacturing systems”.
- Bari (Italy), September 7, 2015: poster presentation at the “*Annual Conference of Italian Lecturers and Researchers in Automatic*” (*SIDRA 2015*).
- Linz (Austria), July 17, 2015: Speaker at the *14<sup>th</sup> European Control Conf. (ECC 2015)*, session on “Traffic control”.
- Bari (Italy), December 4, 2014: Speaker at the *1<sup>st</sup> Workshop on the State of the art and Challenges Of Research Efforts (SCORE@POLIBA)*, track on “Research Contributions”.
- Bari (Italy), December 3, 2014: Speaker at the *1<sup>st</sup> Workshop on the State of the art and Challenges Of Research Efforts (SCORE@POLIBA)*, track on “Groups Research on Key Enabling Technologies and Societal Challenges”.
- Palermo (Italy), June 18, 2014: Speaker and Chair at the *22<sup>nd</sup> Mediterranean Conf. on Control & Automation (MED 2014)*, session on “Computing and communications”.

• **LANGUAGES:**

- *Italian*: Mother tongue
- *English*: SPEAKING: good; WRITING: good; UNDERSTANDING: good.
- *French*: SPEAKING: basics; WRITING: basics; UNDERSTANDING: basics.

### COURSES:

- **2001:** French at Polytechnic of Bari;
- **1992:** English at Centre of English Studies, Dublin;
- **1991:** English at Nord-Anglia International Limited, Edinburgh;
- **1990:** English at English Language Institute, London - West Wickam;
- **1989:** English at Living Language Centre, London - Richmond;
- **1988:** Cultural exchange program between S.M.S. "G. Verga", Bari and "J. Pulitzer" Intermediate School, New York.

### • TECHNICAL SKILLS AND COMPETENCES:

- Operative System: Windows (excellent).
- Software: C++ (basics); Microsoft Windows (excellent); Microsoft Office (excellent); Internet Explorer (excellent); Microsoft Project (excellent); Autocad (good); Rhinoceros (good); Rockwell Arena (good); MatLab and Simulink (excellent); National Instruments LabView (good); WinPer (excellent); JP System 5 (excellent); Millit Coscom (good); CNC Simulator (basics); Cimatron E (basics); Adobe Photoshop (excellent); Corel Draw (good); Acrobat (good); heating, electrical, and home automation software (good).

I authorize the use and the processing of my personal data pursuant to the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data (General Data Protection Regulation).

L'Aquila, 2021, July 15