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PERSONAL INFORMATION Giuseppe Bruno

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POSITION Full Professor of Management Engineering (SSD ING-IND/35) - Department of Industrial Engineering, University of Naples Federico II

WORK EXPERIENCE

1996–2005 Lecturer

Department of Computer Science and Department of Management Engineering - University of Naples Federico II

2006–2016 Associate Professor of Operational Research (SSD MAT/09)

Department of Management Engineering - University of Naples Federico II, Naples (Italy)

2017–2018 Associate Professor of Management Engineering (SSD ING-IND/35)

Department of Industrial Engineering - University of Naples Federico II

1995–Present

Research activities have been developed as member of Departments of Computer Science (1989-2000), of Management Engineering (2000-2012) and of Industrial Engineering (from 2012) of University of Naples Federic

Invited Researcher at Vilnius Gedimas Technical University (LT) (2019), awarded of a Fellowship at Nanzan University (Japan) (2017) from the Japanese Society of Promotion of Science (JSPS), visiting researcher (19 Universitè de Montreal (Centre de Recherche sur les Transports).

Main research interests are focused on Locational analysis, Logistics, Transportation, Multicriteria Analysis, Public Service Management, Education systems and planning, developed through the participation to research projects in cooperation with many universities (Università di Ancona, Benevento, Calabria, Camerino, Genova, Roma La Sapienza, Salerno, Trieste, Politecnico di Milano, Universitè de Montreal (Canada), University of Murcia (ES), Karlsuhe Institute of Technology (D), University of Lodz (PL), University of Patras (GR), University of Nanzan (JP), University of Navarra (ES), University of Sheffield (UK), Instituto Politécnico de Portalegre (PT), University of Siviglia (ES), Vilnius Gedimas Technical University (LT)) and institutions (IASI, IRAT, IRSIP institutes of CNR, CIRRELT Montreal, World Bank Washington).

Responsible of scientific and consultancy projects with Italian public administration and public and private companies and of various research projects realized in the framework of national and international agreements. In particular, recently Scientific responsible of agreement between Accenture spa (2017) e Ernst&Young (2017) for the design, organization and implementation of educational projects and activities.

Member of several scientific committees for the organization of national and international conferences and workshops. In particular, more recently:

Chair of the International Symposium On Locational Analysis (Napoli and Capri, 16-20 June 2014);

Chair del XVIII Euro Working Group on Locational Analysis (Napoli 28-30 April 2010);

Member of the International Committee for the organization of 21st IPSERA (International Purchasing and Supply Education and Research Association) Conference (Napoli, 1-4 April 2012);

Member of the International Committee for the organization of the XI ISAHP (International Symposium on the Analytic Hierarchy/Network Process) Conference (Sorrento, 15-18 June 2011).

Referee activities of research projects for the Minister of University and Scientific Research (MIUR), Romanian National Research Council and for the Israel Science Foundation, provincial Autonoma di Trento, Finpiemonte spa, Fondimpresa.

Invited speakers at seminars or workshops at Karlsruhe Institute of Technology (GE), Keio University (JP), Instituto Politécnico de Portalegre (PT), Nanzan University (JP), Politechnic of Kyiv (Uk) (2015). Universidad de Sevilla (ES), Università di Ancona (IT), Università della Calabria (IT), Università del Sannio, University of Portsmouth (UK), University of Tokyo TUMSAT (JP).

Member of several scientific committees for the organization of national and international conferences and workshops. Chair of signifcant international conferences

Responsible of scientific and consultancy projects with Italian public administration and public and private companies and of various research projects realized in the framework of national and international agreements.

Main recent teaching and organizational activities (from 2000)

2022-2019 - Professor of Modelling of Logistic Systems at University of Naples Federico II (Master courses in Management Engineering, Computer Science Engineering).

2022-2019 - Professor of Fundamentals of Logistics at University of Naples Federico II (Master course at Accademia Aeronautica of Pozzuoli).

2022-2019 – Member of the board of Department of Industrial Engineering of University of Naples Federico II

2022-2018 - Professor of Economics and Enterprise Organization at University of Naples Federico II (Bachelor courses in Management Engineering, Civil and Naval Engineering).

2020-2018 - Professor of Decision Making in Complex Environment and of Economics and Enterprise Organization at University of Naples Federico II (Bachelor courses in Management Engineering, Civil and Naval Engineering).

2020-2005 – Member of PhD School Board of Management Engineering and of Industrial Engineering of University of Naples Federico II and of Technology and Innovation Management of University of Bergamo

2020-2018 - Professor of Logistics and Economics at Master of Aerospace System Management at Accademia Aeronautica of Pozzuoli

2019 – 2013 - Chair of Management Engineering Courses (Bachelor and Master) at University of Naples "Federico II"

2019 – 2013 – Member of the Board of Polytechnique School of University of Naples "Federico II".

2019-2001 - Professor of Decision Making at University of Naples Federico II (Bachelor courses in Management Engineering, Computer Science Engineering).

2018-2011 - Professor of Quantitative Methods at Master for the Security Management (University of Naples Federico II - National State Police)

2018 – Expert for the Committee of Regions of European Union on the theme of "Digital Education"

2018-2001 - Professor of Operational Research at University of Naples Federico II (Bachelor courses in Management Engineering and Computer Science Engineering)

2018-2009 - Professor of Operational Research at University of Naples Parthenope (Bachelor course in Management Engineering)

2016-2012 – Member of the Scientific Committee of the on "Public Security Management" in collaboration with Polizia di Stato.

2016-2012 – Member of the National board of Association of Italian Operational Research (AIRO)

2011-2010 - Professor of Application of Operational Research to Logistics and Transportation at Master for Integrated Logistics and Freight Transportation at University of Naples Parthenope

Main recent research projects

2020-ongoing Scientific Responsible of the project Metropolis, (METodologie RObuste per l'efficientamento dei Processi e l'Ottimizzazione logistica nell'Industria Siderurgico-navale), on behalf of University of Naples Federico II – Incentivi Fondo per la Crescita Sostenibile - Sportello "FABBRICA INTELLIGENTE" PON I&C 2014-2020

2020-2019; Scientific responsible of the between Poste Italiane spa and Department of Industrial Engineering of University of Naples Federico II.

2019-2016: Member of the research group within the project "Structural Analysis of Mathematical Models of Optimization for Location and Transportation Planning" granted by Ministerio de Economía y Competividad (ES) (grant MTM2015-67706-P) (Coordinator: Prof. Juan Antonio Mesa, Universidad de Sevilla (ES)).

2017-2015: Scientific responsible of research unit at the Department of Industrial Engineering of University of Naples Federico II of project Trainergy (Training for Energy Efficient Operations) in the framework of Erasmus Learning (538851-LLP-1-UK-ERASMUS-EQR). (Coordinator: Dr T. Bartosz Kalinowski, University of Lodz, Poland.)

2014-2014: Member of the research unit of Robotics of Department of Electrical Engineering and Information Technology (DIETI) of University of Naples Federico II within the projects ARCAS (Aerial Robotics Cooperative Assembly System) and SAPHARI " Safe and Autonomous Physical Human-Aware Robot Interaction". (Coordinator: Prof. Bruno Siciliano, University of Naples Federico II).

2014-2013: Scientific responsible of research unit at the Department of Industrial Engineering of University of Naples Federico II of project PrESS - Promoting Environmentally Sustainable SMEs in the framework of Erasmus Learning (538851-LLP-1-UK-ERASMUS-EQR). (Coordinator: Prof. Lenny Koh, University of Sheffield (UK)).

EDUCATION AND TRAINING ■

1989	**Master in Electronic Engineering**

at Faculty of Engineering of University of Naples Federico II, Naples (Italy)

1994	**PhD in Computer Science and Robotics**

Department of Computer Science at University of Naples Federico II, Naples (Italy)

PERSONAL SKILLS ■

Mother tongue(s)

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Pubblications indexed on Scopus ■

Bruno, G., Cavola, M., Diglio, A., Piccolo, C. Improving spatial accessibility to regional health systems through facility capacity management. (2020) Socio-Economic Planning Sciences, Article in press.

Bruno, G., Cavola, M., Diglio, A., Laporte, G., Piccolo, C. Reorganizing postal collection operations in urban areas as a res[ult of] declining mail volumes–A case study in Bologna (2020) Journal of the Operational Research Society, Article in press

Bruno, G., Diglio, A., Piccolo, C., Cannavacciuolo, L. Territorial reorganization of regional blood management systems: Evidences from an Italian case study (2019) Omega, 89, pp. 54-70.

Barbarisi, I., Bruno, G., Diglio, A., Elizalde, J., Piccolo, C. A spatial analysis to evaluate the impact of deregulation policies [in the] pharmacy sector: Evidence from the case of Navarre. (2019) Health Policy, 123 (11), pp. 1108-1115.

Bruno, G., Diglio, A., Kalinowski, T.B., Piccolo, C., Rippa, P. University-Business Cooperation to design a transnational curriculum for energy efficiency operations (2019) Studies in Higher Education, Article in press.

Bruno, G., Genovese, A. Multi-Criteria Decision-Making advances in theory and applications—an introduction to the special issue (2018) Soft Computing, 22 (22), pp. 7313-7314.

Bruno, G., Diglio, A., Genovese, A., Piccolo, C. A Decision Support System to improve performances of airport check-in ser[vice] (2018) Soft Computing 23 (9) pp 2877-2886.

Barbati, M., Bruno, G. Exploring Similarities in Discrete Facility Location Models with Equality Measures (2018) Geographical Analysis, 50 (4) pp. 378-396.

Bruno, G., Genovese, A., Piccolo, C. Territorial amalgamation decisions in local government: Models and a case study from (2017) Socio-Economic Planning Sciences, 57, pp. 61-72.

Bruno, G., Diglio, A., Melisi, A., Piccolo, C. A Districting Model to Support the Redesign Process of Italian Provinces (2017) Springer Proceedings in Mathematics and Statistics, 217, pp. 245-256.

Barbati, M., Bruno, G., Marín, A. Balancing the arrival times of users in a two-stage location problem (2016) Annals of Ope[rations] Research, 246 (1-2), pp. 273-288.

Bruno, G., Genovese, A., Piccolo, C. Capacity management in public service facility networks: a model, computational tests [and a] case study (2016) Optimization Letters, 10 (5), pp. 975-995.

Bruno, G., Cerulli, R., Gentili, M. Models, algorithms and applications for location problems (2016) Optimization Letters, 10 (5) [pp.] 871-873.

Bruno, G., Genovese, A. Location analysis for public sector decision-making in uncertain times: An introduction to the specia[l issue] (2016) Socio-Economic Planning Sciences, 53, pp. 2-3.

Bruno, G., Esposito, E., Genovese, A., Piccolo, C. Institutions and facility mergers in the Italian education system: Models a[nd case] studies (2016) Socio-Economic Planning Sciences, 53, pp. 23-32.

Bruno, G., Esposito, E., Genovese, A., Simpson, M. Applying supplier selection methodologies in a multi-stakeholder environme[nt:] A case study and a critical assessment (2016) Expert Systems with Applications, 43, pp. 271-285.

Bruno, G., Esposito, E., Genovese, A. A model for aircraft evaluation to support strategic decisions (2015) Expert Systems wit[h] Applications, 42 (13), pp. 5580-5590.

Caggiano, A., Bruno, G., Teti, R. Integrating optimisation and simulation to solve manufacturing scheduling problems (2015) Procedia CIRP, 28, pp. 131-136.

Bruno, G., Genovese, A., Improta, G. A historical perspective on location problems (2014) BSHM Bulletin, 29 (2), pp. 83-97.

Bruno, G., Genovese, A., Piccolo, C. The capacitated Lot Sizing model: A powerful tool for logistics decision making. (2014) International Journal of Production Economics, 155, pp. 380-390.

Bruno, G., Esposito, E., Genovese, A., Longobardo, R.R., Passaro, R. Hybrid supplier selection methodologies: Problems and perspectives (2013) IFAC Proceedings Volumes (IFAC-Papers Online), pp. 881-886.

Boccia, M., Bruno, G., Sterle, C. A MILP formulation for a batch scheduling problem on parallel machines in the aircraft indu... (2013) 5th International Conference on Modeling, Simulation and Applied Optimization, ICMSAO 2013, art. no. 6552650.

Genovese, A., Lenny Koh, S.C., Bruno, G., Esposito, E. Greener supplier selection: State of the art and some empirical evi... (2013) International Journal of Production Research, 51 (10), pp. 2868-2886.

Bruno, G., Esposito, E., Genovese, A., Passaro, R. AHP-based approaches for supplier evaluation: Problems and perspectives (2012) Journal of Purchasing and Supply Management, 18 (3), pp. 159-172.

Barbati, M., Bruno, G., Genovese, A. Applications of agent-based models for optimization problems: A literature review (2012) Expert Systems with Applications, 39 (5), pp. 6020-6028.

Bruno, G., Genovese, A. A Spatial Interaction Model for the Representation of the Mobility of University Students on the Italian Territory (2012) Networks and Spatial Economics, 12 (1), pp. 41-57.

Bruno, G., Genovese, A., Sgalambro, A. An extension of the schedule optimization problem at a public transit terminal to the multiple destinations case (2012) Public Transport, 3 (3), pp. 189-198.

Barbati, M., Bruno, G., Genovese, A. An agent-based framework for solving an equity location problem (2011). Lecture Note... Computer Science (subseries in Artificial Intelligence and Bioinformatics), pp. 486-494.

Bruno, G., Genovese, A., Improta, G. Routing problems: A historical perspective (2011) BSHM Bulletin, 26 (2), pp. 118-127.

Bruno, G., Esposito, E., Genovese, A., Gwebu, K.L. A critical analysis of current indexes for digital divide measurement (2011) Information Society, 27 (1), pp. 16-28.

Bruno, G., Genovese, A. An Analysis of the multi-criteria index for quality of life measurement in Italy (2010) OR53 Keynote... Short Papers - 53rd Conference of the Operational Research Society 2011, pp. 59-64.

Genovese, A., Lenny Koh, S.C., Bruno, G., Bruno, P. Green Supplier Selection: A literature review and a critical perspective... SCMIS 2010 - Proceedings of 2010 8th International Conference on Supply Chain Management and Information Systems: Logistics Systems and Engineering, art. no. 5681750.

Bruno, G., Genovese, A. A mathematical model for the optimization of the airport check-in service problem (2010) Electronic... in Discrete Mathematics, 36 (C), pp. 703-710.

Bruno, G., Genovese, A., Sgalambro, A. An Agent-Based framework for modeling and solving location problems (2010) TOP... (1), pp. 81-96.

Bruno, G., Improta, G., Sgalambro, A. Models for the schedule optimization problem at a public transit terminal (2009) OR Spectrum, 31 (3), pp. 465-481.

Bruno, G., Improta, G. Using gravity models for the evaluation of new university site locations: A case study (2008) Comput... Operations Research, 35 (2), pp. 436-444.

Bruno, G., Esposito, E., Mastroianni, M., Vellutino, D. Accessibility of public e-Procurement websites: Methodology and empirical evidence (2005) Proceedings of the European Conference on e-Government, ECEG, pp. 75-84.

Bruno, G., Ghiani, G., Improta, G., Manni, E. A taboo search heuristic for the optimisation of a multistage component placem... system (2005) Journal of Discrete Mathematical Sciences and Cryptography, 8 (2), pp. 271-285.

Bruno, G., Esposito, G., Iandoli, L., Raffa, M. The ICT service industry in North Africa and the role of partnerships in Moro... (2004) Journal of Global Information Technology Management, 7 (3), pp. 4-26.

Bruno, G., Laporte, G. A simple enhancement of the Esau—Williams heuristic for the capacitated minimum spanning tree pro... (2002) Journal of the Operational Research Society, 53 (5), pp. 583-586.

Bruno, G., Laporte, G. An interactive decision support system for the design of rapid public transit networks (2002) INFOR, ... pp. 111-118.

Bruno, G., Gendreau, M., Laporte, G. A heuristic for the location of a rapid transit line (2002) Computers and Operations R... 29 (1), pp. 1-12.

Bruno, G., Ghiani, G., Improta, G. Dynamic positioning of idle automated guided vehicles (2000) Journal of Intelligent Manufacturing, 11 (2), pp. 209-215.

Bruno, G., Ghiani, G., Improta, G. A multi-modal approach to the location of a rapid transit line (1998) European Journal of Operational Research, 104 (2), pp. 321-332.