

Pubblicazioni

- [1]. ***“Proposal for the improvement of the design by means of an interfunctional team: The Project Quality Team”***

V. Duraccio, D. Falcone, F. De Felice,

7th Concurrent Engineering Conference 17/19 April 2000 Leicester UK

ISBN 1-56555-202-4

- [2]. ***“R.A.M.S. analysis for the cooling system of the conical nozzle of a plasma wind tunnel”***

V. Duraccio, D. Falcone F. De Felice, A. Russo, V. Pesce

International Conference Modelling and Simulation 2001 – IASTED 16-18 Maggio 2001 Pennsylvania USA

ISBN 088986277X 9780889862777

- [3]. ***“ Pianificazione delle attività e miglioramento del processo produttivo mediante il metodo Hoshin Kanri in un’azienda del settore termoplastico”***

V. Duraccio, D. Falcone, A. Silvestri, A. Rossi

XXVIII Convegno nazionale ANIMP/OICE/UAMI 25/26 Ottobre 2001 Centro congressi

Albornoz Spoleto (PG) ISBN 88198-02-04

- [4]. ***“Ricerca del “Trade-Off” ottimale tra costi logistici e livello del servizio nel sistema distributivo”***

V. Duraccio, D. Falcone, A. Silvestri, G. Acca

XXVIII Convegno nazionale ANIMP/OICE/UAMI 25/26 Ottobre 2001 Centro congressi

Albornoz Spoleto (PG) ISBN 88198-02-04

- [5]. ***“Technical and economical feasibility of all electric melter for large production of blow glass”***

V. Duraccio, D. Falcone, A. Silvestri, P. Verde

Summer Computer Simulation Conference (SCSC 2002) 14-18 July 2002 San Diego - California

ISBN 1-56555-255-5

- [6]. ***“Technical and economic verification of the convenience in the reengineering of a productive line through the employment of simulation techniques”***

V. Duraccio, D. Falcone, F. De Felice, G. Di Bona, A. Silvestri

MITIP 2002 – 4th International Conference 27-29 Giugno 2002, Savona, Italy ISBN 887545941X

- [7]. ***“Proposta di un modello per la determinazione del limite di convenienza a produrre in una azienda manifatturiera in funzione dell’importanza del cliente”***

V. Duraccio, D. Falcone, F. De Felice, A. Silvestri

XXIX Convegno ANIMP-OICE-UAMI 17 e 18 Ottobre 2002, Sorrento, Italia ISBN 88-88198-04-0

- [8]. ***“Design and Validation of an IFDI system by the employment of artificial neural networks”***

V. Duraccio, D.Falcone, F. De Felice, G. Di Bona, A. Silvestri

Summer Computer Simulation Conference (SCSC 2003) 20-24 July 2003 Montreal, Quebec (Canada), Simulation Series vol. 35, pagg. 540-545, ISSN: 07359276 ISBN 1-56555-268-7

[9]. ***“New indexes for the maintenance management in transport”***

V. Duraccio, D. Falcone, A. Silvestri,

Proceedings of the international workshop on Harbour, maritime and multimodal logistics HMS2003 – 7th International Workshop 18 – 20 Settembre 2003, Riga, Latvia ISBN: 9984-32-547-4

[10]. ***“Valutazione di impatto ambientale di impianti di produzione di energia elettrica a ciclo combinato: analisi e simulazione dei livelli di rumore ambientale”***

V. Duraccio, D. Falcone, F. De Felice, G. Di Bona, A. Silvestri

XXX Convegno ANIMP-OICE-UAMI 30 e 31 Ottobre 2003, Rapallo, Italia ISBN 88-88198-02-04

[11]. ***“Kaizen ed Innovazione Tecnologica in Ambito Lean Production: il caso Produzione di Vetri per auto”***

V. Duraccio, D. Falcone, F. De Felice

XXXI Convegno ANIMP-OICE-UAMI 14-15 Ottobre 2004, Monastier di Treviso ISBN 88-88198-05-9

[12]. ***“TPM Application to a Company of Automotive Components”***

V. Duraccio, D. Falcone, A. Silvestri

Prima Conferenza Internazionale sulla Gestione della Manutenzione- MM2005 14-15 Aprile 2005 Venezia

[13]. ***“Proposal of a New Algorithm for the Manufacturing Quantity Evaluation: Integrated Demand Manufacturing Quantity”***

V. Duraccio, D. Falcone, A. Silvestri

3rd International Conference on Manufacturing Research (ICMR 2005) 6-8 September 2005, Cranfield University (UK) ISBN 1860582672

[14]. ***“Technical and Economical Analysis of the Layout of a Palletization Plant Through Simulation Techniques”***

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

Summer Computer Simulation Conference (SCSC 2005) 24-28 July 2005 Cherry Hill, New Jersey, (USA), pagg. 387-391, ISBN: 978-162276351-1

[15] ***“Ergonomia applicata alla linea di montaggio di una nuova autovettura”***

V. Duraccio, D. Falcone, G. Di Bona

XXXII Convegno ANIMP-OICE-UAMI 6-7 Ottobre 2005, Rimini, Italia ISBN/ISSN 88-88198-12-1

[16] ***“DMAIC methodology application to the improvement of the product “Front Wheel Group” (F.W.G.)”***

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

Spring Simulation Multiconference (SpringSim'06) 2-6 April 2006 Huntsville, AL (USA)

[17] ***“Improvement of performances of an optical system for defectiveness survey in a company of the automotive field”***

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

Summer Computer Simulation Conference (SCSC 2006) 31 July – 2 August 2006 Calgary (CANADA), pagg. 314-318, ISBN: 978-162276352-8

[18] “Integrated Hazards Method (IHM). A new safety allocation technique”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

Modelling and Simulation 2007, 30 May - 1 June 2007 Montreal (CANADA)

(2007) Proceedings of the IASTED International Conference on Modelling and Simulation, PP. 338 - 343

ISSN: 10218181 ISBN: 978-088986663-8

[19] “Optimization of the control process of a production line for car windscreens”

V. Duraccio, D. Falcone, A. Silvestri

3rd International Symposium on management, engineering and informatics: MEI 2007, July 8 – 11 ,Orlando, Florida (USA), vol 1, pagg. 309-312 **ISBN: 1934272159;978-193427215-2**

[20] “Manutenzione in una linea di volo aerotattica:ottimizzazione delle metodologie”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

XXXIV Convegno ANIMP-OICE-UAMI 26 – 28 aprile 2007 Portoferraio - Isola D'Elba

ISBN 88-88198-12-1

[21] “Recupero energetico dalle apparecchiature elettriche ed elettroniche”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona, F. De Felice, A. Petrillo

Convegno Risparmio Energetico e Fonti Rinnovabili 22-23 marzo 2007 Cassino

[22] “ Use of Simulation for the Prevention of Environmental Problems”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

Summer Computer Simulation Conference (SCSC 2007) 15 July – 18 July 2007 San Diego, California (USA), vol. 2, pagg. 863-866, **ISBN: 978-162276358-0**

[23] “Risk assessment in a co-generation system: Validation of a new safety allocation technique”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

Applied Simulation and Modelling – Palma de Mallorca (Spain) 29-31 august 2007

(2007) Proceedings of the 16th IASTED International Conference on Applied Simulation and Modelling, ASM 2007 PP. 256 - 261 Acta Press, **ISBN: 978-088986687-4**

[24] “Manutenzione in una linea di volo aerotattica: Analisi delle criticità ed ottimizzazione delle metodologie”

V. Duraccio

Tesi di dottorato di ricerca in Ingegneria Civile e Meccanica XIX ciclo, Università di Cassino 2007

[25] “Application and development of R.A.M.S analysis for maintenance plans in metallic scrap iron reworking Industry”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona, A. Forcina

Maintenance Management 2007 – Roma – 27-28 settembre 2007

Pubblicato sulla rivista: MM - Maintenance and Facility Management – CNIM
Anno I – N. 6 Novembre-Dicembre

[26] “Project of an Agv Transport System through Simulation Techniques”

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

European Modeling & Simulation Symposium EMSS2008 International Workshop on Modeling & Applied Simulation MAS 2008 Campora S.Giovanni (Italy) 17-19 settembre 2008, pagg. 281-284,
ISBN: 978-162993475-4

[27] “Progettazione e gestione degli Impianti Industriali”

Autori: D. Falcone, F. De Felice

Ed. Hoepli, 2007

Collaborazione alla stesura dei capitoli nn 5,6

[28] Data Warehousing and Processing Software for the Maintenance Management Optimization in an industry of thermoplastic film: MDM (Maintenance Data Management)

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

The Modern Information Technology in the Innovation Processes of the Industrial Enterprises MITIP 2008
12-14 November 2008 Prague, Czech Republic ISBN 978-80-7043-738-4

[29] “TPM Application to a Company of Automotive Components”

V. Duraccio, D. Falcone, A. Silvestri, **Pages 171-223 “Recent Advances in Maintenance and Infrastructure Management”**

ISBN **978-1-84882-488-1 (Print) 978-1-84882-489-8 (Online)**

DOI 10.1007/978-1-84882-489-8_4

Publisher Springer London 2009

[30] “[Environmetal Impact Assessment Through the Analytic Network Process](#)”

V. Duraccio, F. De Felice, A. Petrillo, C. Daniele, M. Pariselli

XIV Summer School “Francesco Turco” Impianti Industriali Meccanici Porto Giardino (Monopoli, Italy) -
September 15-19 2009 "Sustainable Development: The Role of Industrial Engineering

ISBN 978-88-904-625-0-4

[31] “Analysis of improvement in Supply Chain Management due to lean production in auto motive”

V. Duraccio, A. Pacitto, G. Di Bona, A. Forcina

XV Summer School “Francesco Turco” Impianti Industriali Meccanici Porto Giardino (Monopoli, Italy) -
14-18 September 2010 "Sustainable Development: Industrial Practice, Education & Research"
ISBN:978-88-904625-1-1

[32] “Material Flow Map and Layout Optimization: action plan and software validation

V. Duraccio, D. Falcone, A. Silvestri, G. Di Bona

XVI Summer School “Francesco Turco” Impianti Industriali Meccanici Abano Terme (Padova, Italy)-
14-16 September 2011 “Breaking down the barriers between research and industry” ISBN: 9788890631924

[33] “Modeling and Simulation of an assembly line: a new approach for assignment and optimization of activities of operator”

Duraccio V, Silvestri A., Falcone D, Di Bona G, Forcina A

MAS2011 - The 10th International Conference on Modeling and Applied Simulation. Rome, Italy, 12-14
September 2011 ISBN:9788890631924

[34] “Safety Engineering: development of a new method for Risk Assessment, EfficientRiskPriorityNumber”

Vincenzo Duraccio, Domenico Falcone, GianPaolo Di Bona, Alessandro Silvestri, Antonio Forcina

GV-CONF 2013 8-12 Aprile Bratislava Slovak Republic ISBN:978-80-554-0649-4 ISSN:1339-2778

[35] “Technical and economic verification of the convenience in reengineering a production line using simulation techniques”

Vincenzo Duraccio ,Domenico Falcone, GianPaolo Di Bona, Alessandro Silvestri, Antonio Forcina,
Cristina Cerbaso

25 th European Modeling and Simulation Symposium, EMSS 2013; pag. 327-332 ISBN 978-1-62993-467-9
Athens, Greece, 25 settembre 2013

[36] “Validation And Application of a Safety Allocation Technique (Integrated Hazard Method) to an Aerospace prototype”

Vincenzo Duraccio ,GianPaolo Di Bona, Alessandro Silvestri, Antonio Forcina

MIC 2014 17-19 febbraio Innsbruck (A)

(2014) Proceedings of the IASTED International Conference on Modelling, Identification and Control PP.
284 - 290

doi: 10.2316/P.2013.794-063

[37] “Validation and application of a reliability allocation technique (advanced integrated factors method) to an industrial system”

Duraccio, V., Falcone, D., De Felice, F., Di Bona, G.P., Forcina, A., Silvestri, A.

MIC 2014 17-19 febbraio Innsbruck (A)

(2014) Proceedings of the IASTED International Conference on Modelling, Identification and Control PP. 75 - 79

doi: 10.2316/P.2014.809-038

[38] “Productive Line Reengineering through Simulation Techniques”

Vincenzo Duraccio, GianPaolo Di Bona, ,Alessandro Silvestri, Antonio Forcina

MIC 2014 17-19 febbraio Innsbruck (A)

(2014) Proceedings of the IASTED International Conference on Modelling, Identification and Control PP. 291 - 296

doi: 10.2316/P.2013.794-064

[39] “Voltage sags in the automotive industry: Analysis and solutions”

Duraccio, V., Di Fazio, A.R., Varilone, P., Verde, P.

(2014) Electric Power Systems Research 110 PP. 25 - 30

doi: 10.1016/j.epsr.2014.01.004

[40] “ Maintenance Critical Analysis And Priority Index: A New Model For Maintenance Policy”

Vincenzo Duraccio, GianPaolo Di Bona, Alessandro Silvestri, Antonio Forcina, Cristina Cerbaso

The 26th European Modeling & Simulation Symposium (*Simulation in Industry*) 10 - 12 September, 2014 Bordeaux, France, pagg. 432-437, **ISBN**: 978-889799932-4

[41] “Production Line Modeling And Balancing: Comparison Of Existing Techniques And Proposal Of A New Methodology”

Vincenzo Duraccio, Domenico Falcone, Alessandro Silvestri, Antonio Forcina, Cristina Cerbaso

The 26th European Modeling & Simulation Symposium (*Simulation in Industry*) 10 - 12 September, 2014 Bordeaux, France , pagg. 424-431, **ISBN**: 978-889799932-4

[42] “An activity based costing model for evaluating effectiveness of RFID technology in pallet reverse logistics system”

V.Duraccio, V. Elia, A. Forcina

ICNAAM 2014, 12th International Conference of Numerical Analysis and Applied Mathematics, 22-28 september Rhodos Greece, AIP Conference Proceedings, vol 1648, art. n° 570005,

ISSN: 0094243X **ISBN**: 978-073541287-3, **DOI**: 10.1063/1.4912791

[43] Assessment of the Effectiveness of Maintenance-oriented Design

V. Duraccio, A. Forcina, A. Silvestri, G. Di Bona

International Journal of Engineering Business Management Special Issue:

Innovations in Pharmaceutical Industry, vol. 6 pagg. 1-7 DOI: 10.5772/59021 ISSN 1847-9790,

Published: November 6, 2014

[44] “Virtual Academic Teaching For Next Generation Engineers”

Vincenzo Duraccio, Gino Bella, Fabio Fortuna, Federica Trovalusci, Alfredo Donno

ASME 2014 of the 12nd Biennial conference on Engineering Systems Design and Analysis ESDA2014

June 25-27, 2014, Copenhagen, Denmark, vol 1 , **ISBN**: 978-079184583-7, **DOI**: 10.1115/ESDA2014-20446

[45] A New Method for Reliability Allocation: Critical Flow Method (C.F.M.)

V. Duraccio, A. Silvestri, D. Falcone, G. Di Bona, A. Forcina, C. Cerbaso,

9th World Congress on Engineering Asset Management 2014 WCEAM 2014 . Pretoria 27-31 October 2014,

Lectures Notes in Mechanical engineering, vol. 20 pagg. 249-261, **ISSN**: 21954356, **DOI**: 10.1007/978-3-319-15536-4_21

[46] Verifica Della Qualita' Del Prodotto Mediante Analisi Vibrazionale Ed Acustica

V. Duraccio, D. Falcone, A. Silvestri , A. Forcina, G. Di Bona, C. Cerbaso

3° Congresso Nazionale del Coordinamento della Meccanica Italiana Napoli, 30 Giugno – 1 Luglio 2014

[47] Carbon capture and reuse in an industrial district: A technical and economic feasibility study

Vincenzo Duraccio , Maria Grazia Gnoni , Valerio Elia

Journal of CO2 Utilization, Elsevier 2015, vol. 10, pagg. 23-29, **ISSN**: 22129820,

DOI: 10.1016/j.jcou.2015.02.004

[48] “Chemical Risk Evaluation: Application of the Movarish Methodology in an industry of the textile sector”

Vincenzo Duraccio, Domenico Falcone, Alessandro Silvestri, Antonio Forcina, Gianpaolo Di Bona

The 27th European Modeling & Simulation Symposium (*Simulation in Industry*) EMSS 2015 21-23

September 2015 Bergeggi Italy , pagg. 451-456 ISBN 978-889799948-5

[49] *A framework for preventing and managing risks in confined spaces through IOT technologies*

V. Duraccio, Lucia Botti, Cristina Mora, Maria Grazia Gnoni

European Safety and Reliability Conference ESREL 2015 7-10 september Zurich Switzerland, Proceedings of the 25th European Safety and Reliability Conference pagg. 3253-3258 ISBN 978-113802879-1

[50] *Using accident precursor events for supporting a dynamic risk analysis at lean workplace*

Vincenzo Duraccio, Serena Andriulo, Maria Grazia Gnoni,

European Safety and Reliability Conference ESREL 2015 7-10 september Zurich Switzerland, Proceedings of the 25th European Safety and Reliability Conference pagg. 3253-3258 ISBN 978-113802879-1

[51] *An Effective Model for Ergonomic Optimization Applied To a New Automotive Assembly Line*

Vincenzo Duraccio, Valerio Elia, Antonio Forcina

ICNAAM 2015, 13th International Conference of Numerical Analysis and Applied Mathematics, 22-28 september Rhodes Greece AIP conference proceedings vol. 1738, art. n° 270011 ISBN 978-073541392-4
DOI: 10.1063/1.4952050

[52] *A fuzzy AHP-based approach for assessing the faulty behaviour risk at workplace*

Vincenzo Duraccio, Maria Grazia Gnoni, Raffaello Iavagnilio

International Journal Business and Systems Research, Vol 10 nos. 2/3/4 2016 pagg. 291-305
DOI: 10.1504/IJBSR.2016.075759

[53] *Adopting IOT technologies to control risks in confined space: A multi criteria decision tool*

Vincenzo Duraccio, Maria Grazia Gnoni, Lucia Botti, Paolo Bragatto, Cristina Mora

Chemical Engineering Transaction vol. 53, 2016, pagg. 127-132 . ISBN 978-88-95608

DOI: 10.3303/CET1653022

[54] *Failure Prevention Through Performance Evaluation of Reliability Components in Working Condition*

Vincenzo Duraccio, Lucio Compagno, Natalia Trapani, Antonio Forcina.

Journal of Failure Analysis and Prevention, Spring Editor 2016 pagg. 1-9, **ISSN:** 15477029
DOI: 10.1007/s11668-016-0189-8