

PERSONAL INFORMATION	Antonio Casimiro Caputo	
	📍 Università Roma Tre, Dipartimento di Ingegneria Industriale, Elettronica e Meccanica (Department of Industrial, Electronic and Mechanical Engineering), Via della Vasca Navale 79, Roma, Italy.	
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	✉ antoniocasimiro.caputo@uniroma3.it	
	Sex M   Date of birth 22/06/1966   Nationality Italian	
CURRENT POSITION SSD (if applicable)	Full professor (full time) ING-IND/17 Impianti Industriali Meccanici [Industrial plants engineering and operations management]	
RESEARCH TOPICS / EXPERIENCES	<ul style="list-style-type: none"> <li>▪ Manufacturing systems analysis and design</li> <li>▪ Industrial logistics and supply chain management</li> <li>▪ Maintenance management</li> <li>▪ Industrial risk assessment and safety management</li> <li>▪ Heat recovery systems and industrial energy utilization</li> <li>▪ Operations management</li> </ul>	
SCIENTIFIC / TECHNICAL QUALIFICATION (source: Scopus)	▪ H-index:	▪ 27
	▪ No. publications:	▪ More than 160 (97 in Scopus database)
	▪ No. citations:	▪ 2588

## EDUCATION AND TRAINING

1995/10/30	PhD in Energy Engineering, Dept. of Nuclear Engineering and Energy Conversion, "La Sapienza" University, Rome. (Dottorato in Energetica - Ingegneria delle fonti energetiche nucleari, convenzionali e rinnovabili, Dip.to di Ingegneria Nucleare e Conversioni di Energia, Università La Sapienza, Roma)
1991/05/28	Laurea degree in Mechanical Engineering (five years MS degree) cum laude. La Sapienza University, Rome.

## WORK EXPERIENCE

since 2009/12/15	Full Professor ING-IND/17 "Impianti Industriali Meccanici"
	Roma Tre University
since 2006/10/01	Full Professor ING-IND/17 Impianti Industriali Meccanici
	Università degli studi di L'Aquila
since 2002/09/01	Associate Professor ING-IND/17 Impianti Industriali Meccanici
	Università degli studi di L'Aquila

since 1995/05/04	Assistant Professor (Ricercatore Universitario a tempo indeterminato) I11X Impianti Industriali Meccanici
	Università degli studi di L'Aquila

## MAIN ROLES AND RESPONSIBILITIES

From July 1, 2023	Rome Tre coordinator for the Flagship Project 1 “Decarbonization and digitalization in research on new green energy sources” within PNRR Rome Technopole Project
From February 7, 2023	Member of the steering committee of the interdepartmental Center of “Innovation and Health” of University Roma Tre
From November 28, 2022	Deputy director for Teaching affairs, Department of Industrial, Electronic and Mechanical Engineering Department, Roma Tre University.
From December 2021 to 28/11/2022	Deputy director, Department of Industrial, Electronic and Mechanical Engineering Department, Roma Tre University.
From 2019/12/05 To 2021/07/27	Coordinator of Mechanical and Industrial Engineering Section of the Department of Engineering, Roma Tre University.
From 2013/10/01 To 2019/12/04	Coordinator of the Mechanical Engineering degree programs, Department of Engineering, Roma Tre University.

## SERVICE TO NATIONAL AND INTERNATIONAL COMMUNITY

From 2013/01/04 To 2014/09/30	Member of the National Habilitation Commission for university professors (Commissione di Abilitazione Scientifica Nazionale - Sector 09/B2 Impianti Industriali Meccanici).
From 2015/09/01 To 2016/12/31	Member of the Expert Group of the National Campaign for Research Quality Evaluation (Gruppo Esperti Valutatori (GEV) nella campagna di Valutazione Qualità della Ricerca (ANVUR VQR) 2011-2014).
From 2015/09/15 To 2019/09/15	Elected member of the Steering Committee of the national Association of Industrial Plants Professors (membro eletto del Comitato direttivo dell'Associazione Italiana Docenti di Impianti Industriali (AIDI)).
From 2015/08/01	Member of Seismic Engineering Technical Committee (SETC) of the Pressure Vessels & Piping Division of the American Society of Mechanical Engineers (ASME).
From 2019/05/01	Member of the steering committee of the Lazio chapter of Naval Technique Association (Associazione di Tecnica Navale, ATENA).
From 2014/01/01 To 2014/01/24	Member of the PhD Examining committee, Chalmers University of Technology, Gotenborg, Sweden.

## TEACHING EXPERIENCE

From 2022	Impianti Offshore e Sistemi di Produzione [Offshore Plants and Production Systems] course (Università Roma Tre, Ostia branch)
From 2010	Fondamenti di Impianti Industriali I [Industrial Plants and Facilities Planning] course (Università Roma Tre)

From 2010	Gestione della Produzione Industriale [Production Planning and Control] course (Università Roma Tre)
From 2012 to 2018	Gestione della Produzione Industriale [Production Planning and Control] course (Università di L'Aquila)
From 2008 to 2009	Impianti Industriali [Industrial Plants and Facilities Planning] course (Università Roma Tre)
From 2006 to 2007	Gestione degli Impianti Industriali [Production Systems Management] course (Università Roma Tre)
From 2005 to 2011	Gestione degli Impianti Industriali [Production Systems Management] course (Università di L'Aquila)
From 1999 to 2010	Sicurezza degli Impianti Industriali [Industrial Plants Safety and Risk Assessment] course (Università di L'Aquila)
From 2010 to 2012	"Production Systems", "Inventory Management", "Production Planning and Control" modules, I Level Master in Pressure Process Equipment: Design & Manufacturing (Università di L'Aquila – Walter Tosto Serbatoi S.p.A.)
2008	"Design for Assembly (DFA)" and "Product Cost Estimating" modules, II Level Master in Product Design, (Università di L'Aquila)
From 2007 to 2008	"Maintenance Management" and "Operations management: Lean manufacturing" modules, II Level International Master in Company Management (Università di Perugia)
From 2005 to 2007	"Maintenance Planning and management" module, II Level Master in Complex Systems for Sustainable Urban Mobility, (Università Roma Tre)
2008	Lean Manufacturing" module, FIXO Project "Management of Innovative Production Systems" (Università Aquila - MICRON Technologies S.p.A.)
From 2000 to 2001	"Inventory Management" module, General Management program, LUISS Management school.

## MAIN RESEARCH EXPERIENCE

From 2023/10/01	ASTERix-CAESar project " <b>Air-based Solar Thermal Electricity</b> for efficient <b>Renewable energy Integration &amp; Compressed Air Energy Storage</b> " European Union Horizon 2020 Grant agreement ID: 101122231. Member of the Roma Tre University Research Unit.
From 2023/10/01	PROMAP project "Integrated product/process/materials design for low environmental footprint packaging (Ministry of Economic Development funding). Member of the Roma Tre University Research Unit.
From 2023/04/01	TERMISO Project "Reduction of environmental footprint in the manufacturing process of polyethylene pipes for thermal insulation (Ministry of Economic Development funding). Member of the Roma Tre University Research Unit.
From 2021/05/05	CO2OLHEAT project "Supercritical <b>CO2</b> power cycles demonstration in <b>Operational environment Locally valorising industrial waste HEAT</b> , European Union Horizon 2020 grant agreement N° 101022831. Member of the Roma Tre University Research Unit.
From 2021/01/01 To 2022/08/30	BIOLINE Project "Development of innovative products line based on modified biopolymers (Ministry of University and Research funding). Member of the Roma Tre University Research Unit.

From 2017/06/01 To 2019/11/30	MSMART project "Mitigation of seismic risk in process plants resorting to smart systems, BRIC INAIL (Bando 2016). Member of the Roma Tre University Research Unit.
From 2016/09/01 To 2020/06/15	XP-Resilience project "Extreme loading analysis of petrochemical plants and design of metamaterial-based shields for enhanced resilience", UE Marie Curie project, Ref. No 721816 Call: H2020-MSCA- ITN-2016). Co-principal investigator of the Roma Tre University Research Unit.
From 2014/08/01 To 2017/06/30	INDUSE-2-SAFETY project "Component fragility evaluation, seismic safety assessment and design of petrochemical plants under design basis and beyond-design basis accident conditions", European Union Grant No. RFS-PR-13056. Co-principal investigator of the Roma Tre University Research Unit
From 2007/01/01 To 2010/07/31	EU Project LIFE05 ENV/IT/000845 TIRSAV PLUS "New Technologies for Husks and Wastewater Recycling Plus", European Union. Responsible for preliminary and detailed design of an innovative composting plant for olives milling waste disposal through composting. Department of Mechanical and Management Engineering, University of L'Aquila, Italy.
From 1999 To 2007	Research collaboration with the Risk Prevention and Protection Service of the Gran Sasso Nuclear Physics National Laboratories for qualitative and quantitative risk assessment of experiments (including BOREXINO) and technical education of young safety engineers.
From 1999 To 2001	Participation, as a member of the University of L'Aquila research Unit To the PRIN projects "Gestione integrata di sistemi produttivi interagenti: metodi quantitativi avanzati per la quick response [ Integrated Management of Interacting Production Systems: Advanced Quantitative Methods] (WILD)" and the follow-up "Web Integrated Logistics Design (WILD 2)"

## OTHER RELEVANT EXPERIENCES

From 2013/04/01 To 2014/03/31	Member of the Fondimpresa evaluation commission for funding continuous education projects for business and industrial enterprises.
From 2000 To 2006	Collaboration, as member of the University of L'Aquila team, to the Regional Innovation Program (DOCUP Abruzzo 2000-2006), in partnership with Ernst & Young, University of Teramo, Consorzio Multimedia, Sviluppo Italia Abruzzo; and participation to RIS (Regional Innovation Strategies) project, supported by European Union.
From 1995 To 2000	Collaboration to technical coordination of European Union CIRCE project (Central Italy Innovation Relay Centre).
From 1994 To 2000	Collaboration with Abruzzo Science and Technology Park, as an affiliate of University of L'Aquila - Department of Energetics, for starting-up industrial innovation centres.

HONOURS, AWARDS,  
MEMBERSHIPS, OTHER  
QUALIFICATIONS

2023	Prof. Caputo is included in the 2023 edition of Stanford University World's Top 2% Scientists list edited by Professor J.P.A. Ioannidis
2023	Certificate of merit awarded to paper Caputo, A.C., Federici, Al., Pelagagge, P.M., Salini, P, Offshore wind power system economic evaluation under uncertainty: scenario analysis, Proc. XXVIII AIDI SUMMER SCHOOL "FRANCESCO TURCO", September, Nave Italia, Genua, Italy.
2019	Commended paper award to paper "Caputo, A.C., Pelagagge, P.M., Salini, P., A methodology to estimate resilience of manufacturing plant" at the 9th IFAC Conference on Manufacturing Modeling, Management and Control MIM 2019, Berlin.
2016	Outstanding Technical Paper awarded to paper "Alessandri, S., Caputo, A.C., Corritore, D., Giannini, R., Paolacci, F., Seismic Quantitative Risk Assessment of Process Plants Through Monte Carlo Simulation" at the 2016 ASME Pressure Vessels & Piping Conference.
2013	Best paper award to paper "Caputo, A.C., Palumbo, M., Pelagagge, P.M., Salini, P., A risk-based method for optimizing process plants layout" presented at XVIII AIDI Summer School "F. Turco", Settembre 11-13, 2013, Senigallia, Italy.
2009	Certificate of merit awarded to paper "Caputo, A.C., Salini, P., Influence of Preventive Maintenance Policy on Manufacturing Systems Performances", presented at International Conference of Manufacturing Engineering and Engineering Management, London, U.K., 1-3 July, 2009.
2007	Best paper award to paper "Caputo, A.C., A Software Tool for Domino Effect Risk Assessment in Industrial Plants", presented at 25th International System Safety Conference, August 13 - August 17, 2007, Baltimore, USA.
1997	Citation of excellence for paper "Caputo, A.C., Pelagagge, P.M., Economic Analysis of Pulsed versus Conventional ESPs in Industrial Applications", Environmental Management and Health, Vol. 8, No. 3, 1997.
From 2004	Member of the International Systems Safety Society
From 2019	Member of Associazione di Tecnica Navale (ATENA).
From 2015	Member of the America Society of Mechanical Engineers (ASME)
From 2010	Member of the Associazione Italiana dei Docenti di Impianti Industriali (AIDI)
	Former member of Associazione Termotecnica Italiana (ATI), of Associazione Nazionale di Impiantistica Industriale (ANIMP) and Air & Waste Management Association (A&WMA).

ADDITIONAL  
INFORMATION

EDITORIAL ACTIVITIES	
From 2022/03/01	Member of the scientific committee of the Italian Maintenance Association AIMAN (Associazione Italiana Manutenzione).
From 2016/10/01	Member of the scientific committee of "Manutenzione e Asset management" journal, official publication of the Italian Maintenance Association AIMAN (Associazione Italiana Manutenzione).
From 2009/01/01 To 2014/12/31	Member of Editorial Board of International Journal of Management & Enterprise Development.
CONFERENCE-RELATED ACTIVITIES	
From 2020/01/22	Member of the Scientific Program Committee of the ICEER International Conference on Energy and Environment Research, ISEP; editions 2020 (Porto, Portugal, 14-18 September 2020), 2021 (13-17 September 2021-online) and 2022 (12-16 September, Porto, Portugal).
From 2019/01/01 To 2019/09/11	Member of scientific and organizing committee of ASME-SETC / XP Resilience Workshop on Problems and perspectives in Na-tech Risk Assessment of Industrial installations and mitigation strategies for enhanced Resilience, Università Roma Tre, Department of Engineering 9-11 September 2019.
From 2017/07/20 To 2018/07/20	Member of the International Scientific Committee and of the Organizing Committee of the 1st International Workshop on Risk and Resilience of Industrial Installations against natural threats and mitigation Strategies, Prague, Czeck Republic, 19-20 July, 2018, held within the ASME PVP Conference 2018.
From 2017/04/03 To 2018/06/13	Vice Chair of the International Program Committee of 16th IFAC Symposium on Information Control Problems in Manufacturing, 11-13 June, 2018 Bergamo Italy.
From 2017/01/01 To 2018/07/20	Topic organizer SE-9 "Multi-Hazards and Margins" session hosted in the 2017 and 2018 editions of the ASME Pressure Vessels & Piping Conference.
From 2015/01/01	Member of the scientific committee of the International Society of Science and Applied Technologies (ISSAT) for the International Conference on Reliability and Quality in Design (RQD).
From 1996/01/01 To 1998/08/31	Member of the organizing committee of the Minihydro International Congress, editions 1996 and 1998, in collaboration with the Department of Nuclear Engineering and Energy Conversions of La Sapienza University, Roma, Italy.
OTHER ACTIVITIES	
From 2019/06/05 To 2019/08/02	Evaluator of candidates for "oavlönad docent" (teaching habilitation position) in Technology Management and Economics at the Department of Technology Management and Economics, Chalmers University of Technology di Goteborg, Sween.i
From 1986 To 1995	Managing director of Parmenide S.r.l. consulting and research firm in the field of energy and plants engineering.



## RELEVANT PUBLICATIONS LIST

1. CAPUTO A.C., IMPERATO G., MEOLA V., Processo Frigorigeno a Gas con Ciclo Triangolare, *Atti 46° Congresso Nazionale ATI*, pp. IIC169-IIC180, Cassino, 25-27 settembre, 1991.
2. CAPUTO A.C., GIORGETTI M., A Continuous Regulation of the Oil/Water Ratio in Boiler Emulsion Feeding Systems for their Optimum Emission Behaviour, *Proc. Int. Congress ECOS'92*, pp. 633-642, Zaragoza, Spain, June 15-18, 1992.
3. CAPUTO A.C., CAPUTO C., New Mixing Systems for Emulsion Making Circuits in Boiler Feeding, *Proc. Int. Congress ECOS'92*, pp. 623-631, Zaragoza, Spain, June 15-18, 1992.
4. CAPUTO A.C., LANDOLFI O., SALVINI C., Piccoli Impianti di Turbina a Gas con Basso Costo di Esercizio, *Atti 47° Congresso Nazionale ATI*, pp. 1023-1035, Parma, 15-18 settembre, 1992.
5. CAPUTO A.C., MARTELLUCCI L., A New Combined-STIG Cycle for Low Power Industrial Plants, *Proc. Int. Symp. on Heat and Mass Transfer in Energy Systems and Environmental Effects*, pp. 96-101, Cancun, Mexico, August 22-25, 1993.
6. CAPUTO A.C., CARDARELLI G., PELAGAGGE P.M., Analysis of Heat Recovery in Gas-Solid Moving Beds Using a Simulation Approach, *Applied Thermal Engineering*, vol. 16, n. 1, pp. 89-99, 1996.
7. CAPUTO A.C., GIACCHETTA G., PELAGAGGE P.M., Economic Impact of Electrostatic Precipitators Pulse Energization on Dedusting in Iron-ore Sintering Plants, *Environmental Management and Health*, vol. 7, n. 5, pp. 21-26, 1996.
8. CAPUTO A.C., CARDARELLI G., PELAGAGGE P.M., Optimization Criteria of Heat Recovery from Solid Beds, *Applied Thermal Engineering*, vol. 17, n. 1, pp. 57-64, 1997.
9. CAPUTO A.C., JIA L., LUCIANI A., A New Plastic Material Power Plant Air Heater, *Proceedings 6<sup>th</sup> International Energy Conference*, pp. 140-143, Beijing, Cina, June 3-7, 1996.
10. CAPUTO A.C., VELLONE M., Feeding a Fleet of Public Transport Buses with Emulsified Fuel. Economic Comparison of Centralised and On-board Facilities for Emulsion Production, *Atti Convegno Internazionale "I Carburanti Alternativi e Biocombustibili: Produzione e Utilizzazione"*, pp. 96-107, Università di Lecce, Lecce, 20-21 giugno, 1996.
11. CAPUTO A.C., CARDARELLI G., PELAGAGGE P.M., Comparing Heat Recovery Schemes in Solid Beds Cooling, *Applied Thermal Engineering*, vol. 17, n. 11, pp. 1045-1054, 1997.
12. CAPUTO A.C., CARDARELLI G., PALUMBO M., PELAGAGGE P.M., Computer Integrated Manufacturing in Small Companies: A Case Study, *Industrial Management and Data Systems*, vol. 98, n. 3, pp. 138-144, 1998.
13. CAPUTO A.C., PELAGAGGE P.M., Economic Analysis of Pulsed vs. Conventional ESPs in Industrial Applications, *Environmental Management and Health*, vol. 8, n. 3, pp. 100-104, 1997.
14. CAPUTO A.C., PELAGAGGE P.M., Economic Comparison of Pulsed Electrostatic Precipitators and Fabric Filters in Coal Fired Utility Plants, *Environmental Management and Health*, vol. 10, n.2, pp. 96-104, 1999.
15. CAPUTO A.C., PELAGAGGE P.M., Heat Recovery from Moving Cooling Beds: Transient Modeling by Dynamic Simulation, *Applied Thermal Engineering*, vol. 19, n. 1, pp. 21-35, 1999.
16. CAPUTO A.C., PELAGAGGE P.M., Polyfunctional Plants for Industrial Waste Disposal: A Case Study for Small Enterprises, *Proc. Instn. Mech. Engrs. Part E - Journal of Process Mechanical Engineering*, vol. 213, pp. 1-9, 1999.
17. CAPUTO A.C., PELAGAGGE P.M., Flow Modeling in Fabric Filters, *Journal of Porous Media*, vol. 2, n. 2, pp. 191-204, 1999.

18. CAPUTO A.C., PELAGAGGE P.M., Polyfunctional Plants for Industrial Waste Disposal. Part I - Process and Equipment Design, **Journal of the Air & Waste Management Association**, vol. 49, n. 11, pp. 1355-1361, November 1999.
19. CAPUTO A.C., PELAGAGGE P.M., Polyfunctional Plants for Industrial Waste Disposal. Part II - Economics and Model Evaluation, **Journal of the Air & Waste Management Association**, vol. 49, n. 11, pp. 1362-1367, November 1999.
20. CAPUTO A.C., PELAGAGGE P.M., Polyfunctional Plants for Industrial Waste Disposal: Capacity Analysis, **Proc. Instn. Mech. Engrs. Part E - Journal of Process Mechanical Engineering**, vol. 213, pp. 11-16, 1999.
21. CAPUTO A.C., PELAGAGGE P.M., Cost-Effectiveness Analysis of Waste Gas Treatment Plants for Glass Industry, **Journal of the Air & Waste Management Association**, vol. 49, n. 12, pp. 1456-1462, December 1999.
22. CAPUTO A.C., PELAGAGGE P.M., Fuzzy Control of Heat Recovery Systems from Solid Bed Cooling, **Applied Thermal Engineering**, vol. 20, n. 1, pp. 49-67, 2000.
23. CAPUTO A.C., PELAGAGGE P.M., Economic Comparison of Emission Control Systems for Glass Manufacturing Furnaces with Heat Recovery, **Journal of the Air & Waste Management Association**, vol. 51, n.7, pp. 1009-1020, July 2001.
24. CAPUTO A.C., PELAGAGGE P.M., Baghouse System Design Based on Economic Optimization, **Environmental Progress**, vol. 19, n. 4, pp. 238-245, 2000.
25. CAPUTO A.C., CAPUTO C., L'impiego delle Celle a Combustibile in Autotrazione. Aspetti Tecnici ed Economici, Federtrasporto – Giornata di Studio su “Città e Trasporto”, LUISS “Guido Carli”, Roma, 15 marzo, 2000.
26. CAPUTO A.C., PELAGAGGE P.M., Integrated Geographical Information System (GIS) for Urban Solid Waste Management, *Proc. 1<sup>st</sup> Int. Conf. on Urban Regeneration and Sustainability: The Sustainable City*, Rio de Janeiro, Brazil, April 25-27, 2000, in Brebbia C.A. et al. (eds.) *The Sustainable City*, pp. 159-169, WIT Press, Southampton, UK, 2000.
27. CAPUTO A.C., PELAGAGGE P.M., Waste-to-Energy Plant for Paper Industry Sludges Disposal: Technical-Economic Study, **Journal of Hazardous Materials**, vol. B81, pp. 265-283, 2001.
28. CAPUTO A.C., PELAGAGGE P.M., Economic Design Criteria for Cooling Solid Beds, **Applied Thermal Engineering**, vol. 21, n. 12, pp. 1219-1230, 2001.
29. CAPUTO A.C., PELAGAGGE P.M., A Methodology for Companies Start-Up by Research Spin-Off, *Proc. 4<sup>th</sup> Int. Conference on Technology Policy and Innovation*, Curitiba, Brasil, August 28-31, 2000.
30. CAPUTO A.C., PELAGAGGE P.M., SCACCHIA F., Software Tool for Environmental Plant Modeling, **Environmental Progress**, vol. 20, n. 4, pp. 229-239, 2001.
31. CAPUTO, A.C., Problematiche Logistico-economiche nella Gestione dei Combustibili Alternativi, Atti della giornata di studio su “Aspettative ambientali e futuro tecnologico dei motori termici per propulsione veicolare”, Associazione Termotecnica Italiana, Aracne Editrice, Università La Sapienza di Roma, 6 novembre 2000.
32. CAPUTO A.C., PELAGAGGE P.M., Manufacturing Reengineering in a Tubular Radiator Production Plant, **Integrated Manufacturing Systems – The International Journal of Manufacturing Technology Management**, vol. 14, n.2, January 2003, pp. 95-102.
33. CAPUTO A.C., PELAGAGGE P.M., RDF Production Plants: I Design and Costs, **Applied Thermal Engineering**, vol. 22, n. 4, pp. 423-437, 2002.
34. CAPUTO A.C., PELAGAGGE P.M., RDF Production Plants: II Economics and Profitability, **Applied Thermal Engineering**, vol. 22, n. 4, pp. 439-448, 2002.
35. CAPUTO A.C., PELAGAGGE P.M., TARTAGLIA R., Safety Management in a Hazardous Experimental Environment: The Borexino Case, **AIChE Process Safety Progress**, vol. 21, n. 1, pp. 55-66, March 2002.



36. CAPUTO A.C., CARDARELLI G., IPPOLITI E., DI STEFANO G., Implementing a HLA-based Distributed Simulation for Supply Chain Management: Development of an Arena Based Federate, *Proc. 2001 Summer Computer Simulation Conference SCSC 2001*, Orlando Airport Marriott, Orlando, Florida, USA, July 15-19, 2001.
37. CAPUTO A.C., PELAGAGGE P.M., SCACCHIA F., GIS-assisted Waste Management in a Protected Area, *Environmental Management and Health*, vol. 13, n. 1, pp. 71-79, 2002.
38. CAPUTO A.C., MARTELLUCCI L., Nuovo Sistema di Propulsione Oleodinamica per Trasporti di Stabilimento, *Atti III Convegno Minihydro*, Acquafredda di Maratea, 14-17 settembre 2001.
39. CAPUTO A.C., PELAGAGGE P.M., Economic Design Criteria for Heat Recovery Systems from Moving Cooling Beds, *Proc. 2<sup>nd</sup> Int. Conf. on Computational Heat and Mass Transfer*, Federal University of Rio de Janeiro, Rio de Janeiro, Brasil, October 22-26, 2001 (also in *Computational Heat and Mass Transfer*, ICCHMT, ISBN 85-87922-45-9, 2002).
40. CAPUTO A.C., FRATOCCHI L., PELAGAGGE P.M., SCACCHIA F., CUCCHIELLA F., La Frammentazione nel Settore della Molitura dell'Olio di Oliva: Impatto Economico, Impiantistico ed Ambientale, *Atti XXVIII Congresso Nazionale ANIMP*, Spoleto, 25-26 ottobre 2001.
41. CAPUTO A.C., FRATOCCHI L., PELAGAGGE P.M., SCACCHIA F., CUCCHIELLA F., Impostazione di una Metodologia per il Trasferimento di Innovazione alle Piccole e Medie Imprese, *Atti XII Conferenza Nazionale AilG*, Parma, 8-9 novembre 2001.
42. CAPUTO A.C., FRATOCCHI L., PELAGAGGE P.M., SCACCHIA F., CUCCHIELLA F., A Methodological Framework for Innovation Transfer to SMEs, *Industrial Management and Data Systems*, vol. 102, n. 5, pp. 271-283, 2002.
43. AA.VV., Gestione Integrata di Sistemi Produttivi Interagenti: Metodi Quantitativi Avanzati per la Quick Response, (Bruzzone A., Mosca R., Revetria R. Eds.), Genova, ISBN 88-900732-0-9, novembre 2001.
44. CAPUTO A.C., PELAGAGGE P.M., SCACCHIA F., Integrating Transport Systems in Supply Chain Management Software Tool, *Industrial Management and Data Systems*, v. 103, n. 7, pp. 503-515, 2003.
45. CAPUTO A.C., Utilizzo dell'Idrogeno nell'Autotrazione: Il Problema dell'Infrastruttura Distributiva, *La Termotecnica*, vol. 56, n. 4, maggio 2002.
46. CAPUTO A.C., PELAGAGGE P.M., Introduction of an integrated maintenance system in the tissue paper sector: a case study, *Production Planning and Control*, vol. 16, n. 3, April 2005, pp. 243-254.
47. CAPUTO A.C., PELAGAGGE P.M., TARTAGLIA R., VOC Control in an Underground Experimental Facility: Technical and Safety Issues, *AIChE Process Safety Progress*, vol. 23, n. 1, pp. 37-46, march 2004.
48. CAPUTO A.C., PELAGAGGE P.M., SCACCHIA F., Sustainable Manufacturing System for Printing Processes, *International Journal of Environmentally Conscious Design & Manufacturing*, vol. 11, n.2, pp. 17-32, 2003.
49. CAPUTO A.C., PELAGAGGE P.M., An Inverse Approach for Piping Networks Monitoring, *Journal of Loss Prevention in the Process Industries*, vol. 15, 2002, pp. 497-505.
50. CAPUTO A.C., PELAGAGGE P.M., PONTICIELLO I., Mixed Gas-Oil Subsea Pipelines in Offshore Technology: Technical and Economic Aspects, *RETERM Thermal Engineering*, n. 5, June 2004, pp. 24-32.
51. CAPUTO A.C., PELAGAGGE P.M., SCACCHIA F., Disposal of By-products in Olive Oil Industry: Waste-to-Energy Solutions, *Applied Thermal Engineering*, vol. 23, n. 2, pp. 197-214, 2002.
52. CAPUTO, A.C., PELAGAGGE, P.M., Using Neural Networks to Monitor Piping Systems, *AIChE Process Safety Progress*, v. 22, no. 2, June 2003, pp. 119-127.
53. CAPUTO, A.C., FOSSATARO, G., PELAGAGGE, P.M., La Progettazione dei Recipienti in Pressione: Effetti della Direttiva PED, *Impiantistica Italiana*, vol XV, n. 6, Novembre/Dicembre 2002, pp. 79-90.
54. AA.VV., Web Integrated Logistics Design (WILD 2) Project Report, Gestione della Supply Chain mediante Federazione di Simulatori Interagenti, (Bruzzone A., Mosca R., Revetria R. Eds.), Università di Genova, novembre 2001, ISBN 88-900732-1-7.

55. CAPUTO, A.C., PALUMBO, M., PELAGAGGE, P.M., SCACCHIA, F., Steel Plates Pre-processing: Improvement of Environmental and Production Performances, *International Journal of Environmentally Conscious Design & Manufacturing*, vol. 12, n.1, 2004, pp. 9-20.
56. CAPUTO, A.C., PALUMBO, M., PELAGAGGE, P.M., Robot Cooperation in Welding Cells: a Case Study, Proc. COBEF 2003, Uberlandia, 18-21 May 2003.
57. CAPUTO, A.C., PALUMBO, M., TARTAGLIA, R., Fault Tree Analysis for Risk Assessment in the Borexino Experiment, *Process Safety Progress*. Vol. 23, n. 2, pp. 121-131, June 2004.
58. CAPUTO, A.C., CARDARELLI, G., PALUMBO, M., Automation of Assembly Tasks with Severe Parts Orientation Problems, 17<sup>th</sup> International Congress of Mechanical Engineering, Sao Paulo, Brasil, 10-14 November, 2003
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