Damiana Chinese

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ACADEMIC PROFILE

Associate Professor in Industrial Systems Engineering and President of the Master's Degree Programme in Industrial Engineering for Sustainable Manufacturing (IESM). Her work develops quantitative decision-support approaches for the planning, optimization and sustainability assessment of industrial, energy and logistics systems. Research methods include mixed-integer programming, GIS-supported optimization, multi-criteria analysis, life-cycle and environmental footprint assessment, and multivariate statistical analysis. Research and teaching are closely linked to collaboration with universities, research centres and industrial partners in Italy and abroad.

ACADEMIC APPOINTMENTS AND QUALIFICATIONS

December 2018–present Associate Professor, Industrial Systems Engineering (formerly SSD ING-IND/17), DPIA, University of Udine.

May 2021 Italian National Scientific Qualification (ASN) for Full Professor (first academic rank), in the relevant Industrial Systems Engineering field.

2005–2018 Researcher / Assistant Professor, University of Udine; tenured from September 2008.

Before 2005 Postdoctoral research fellow, Department of Energy Technology, University of Udine.

2004 PhD in Energy Technologies, University of Udine. Dissertation: "Advanced energy networks in a liberalised market: methods and models for industrial districts".

2000 Master's-level degree in Management Engineering, University of Udine, summa cum laude.

Research stays Institute of Energy Economics and the Rational Use of Energy (IER), University of Stuttgart; Department of Economics, Università della Svizzera Italiana, Lugano (during doctoral studies).

RESEARCH EXPERTISE

- **Planning and optimization of industrial facilities and infrastructure** — industrial areas and districts, biomass and biomethane systems, and infrastructure for transport electrification.
- **Industrial energy efficiency and energy symbiosis** — steelmaking and food industries, waste heat recovery, district heating, energy communities and industrial decarbonization.
- **Environmental sustainability and circular supply chains** — mechanical manufacturing, steelmaking and renewable-energy supply chains; integrated economic and environmental performance.
- **Industrial operations, maintenance and innovation** — reliability and maintenance management, facility management, digital transformation and Retail 4.0.

Quantitative methods

Mixed-integer programming (MIP); integrated MIP–GIS modelling; multi-criteria decision analysis (MCDA); environmental assessment including life-cycle assessment (LCA), carbon footprint and water footprint; Monte Carlo simulation, empirical research and multivariate statistics.

RESEARCH OUTPUT AND BIBLIOMETRIC INDICATORS

She is author of **67** publications in total, including **33** indexed in Scopus. Her Scopus **H-index** is **16**, **with 777** total citations, whereas over the last **15 years** her **H-index$_{15}$** is **10** and the number of citations is **460,** both exceeding the bibliometric thresholds established for eligibility as a commissioner in the Italian National Scientific Qualification (ASN) procedure in the .

ACADEMIC LEADERSHIP AND UNIVERSITY SERVICE

July 2023–present **President / Coordinator, Master's Degree Programme in Industrial Engineering for Sustainable Manufacturing (IESM), University of Udine**. Led programme start-up, establishment and operation of the Degree Programme Board and quality/didactic committees, curriculum delivery, identification and resolution of teaching issues, and initiatives for academic staff development. Coordinates international recruitment and student integration, outreach, industry connections, internships and field-based learning. Supported the development and finalization of the Double Degree with Kyoto Institute of Technology (KIT), including curricular coordination and international-mobility arrangements. The agreement was signed in January 2026, with implementation envisaged from academic year 2026/27.

2013–2025 **Member, Quality Assurance Committee, Mechanical Engineering Degree Programme**; monitoring of programmes and student outcomes, orientation initiatives, PCTO, Summer Mech Camp and internationalization.

2020–present **Member of the scientific committee of FORUM**, representing DPIA and contributing to editorial planning.

2007–2011 **Member of the Communication Committee**, Faculty of Engineering, University of Udine.

TEACHING, SUPERVISION AND STUDENT EXPERIENCE

2023/24–present Cleaner Production Systems (6 ECTS), Master's Degree in Industrial Engineering for Sustainable Manufacturing.

2017/18–present Impianti Meccanici / Mechanical Plant Engineering (12 ECTS), Master's Degree in Mechanical Engineering in Udine.

2024/25; 2026/27 Company-led seminar activities within IESM (3 ECTS, in cooperation with another instructor in 2026/27).

2012/13–2016/17 Lecturer in Impianti Meccanici / Mechanical Plant Engineering (6 ECTS) and related subjects at graduate level in Udine

2004/05–2011/12 Lecturer in Industrial Systems Engineering (6 ECTS) and associated subjects at undergraduate level in Pordenone

Thesis supervision Supervisor of 87 degree theses across Mechanical Engineering, Management Engineering and IESM.

Doctoral education Member of the PhD Board in Environmental and Energy Engineering Sciences since 2017/18; member of its teaching committee since 2023/24; supervisor of three PhD candidates (2026 presentation). External member of doctoral examination panels at the IUAV University of Venice (2018), University of Leeds (2019) and Luleå University of Technology (2021).

FUNDED RESEARCH AND SCIENTIFIC PROJECT LEADERSHIP

Research leadership spans the initiation and cross-border coordination of multinational consortia, scientific responsibility for local research units, and the management of collaborative projects linking the University of Udine with research institutes and industrial stakeholders.

Leadership in competitive research projects

2023-2026 Interreg VI-A Italy–Austria —PANORAMA Energy communities. Project initiator and overall coordinator. Conceived and coordinated the cross-border research initiative on energy communities, bringing together partners to investigate collaborative energy planning and sustainable energy-system development.

2024-2026 Interreg VI-A Italy–Slovenia — CIRCULAR.BUILDINGS Circularity in construction and installations. Scientific lead of the University of Udine local unit. Responsible for the scientific contribution of the local research team to the cross-border project on circular approaches in buildings and technical installations.

2017-2019 Interreg V-A Italy–Austria — IDEE Cross-border Research Network for the Integrated Design of Efficient Energy Systems in Urban Areas (ITAT1007), Interreg V-A Italy–Austria. Project initiator and overall coordinator; led the development and implementation of a collaborative programme for integrated energy planning, district-heating design and sustainable urban energy systems.

Other competitive research projects and research-unit responsibilities

2014–2015 TRIM — Technologies and Industrial Research for Marine Mobility, within the MIUR-funded Transport Italy 2020 cluster. Participation in collaborative research on technologies and industrial applications for marine mobility.

2010–2012 NG SHIP — Natural Gas for Ship Propulsion, co-funded through the Friuli Venezia Giulia POR-FESR programme. Participation in a collaborative initiative on alternative maritime propulsion systems.

2003–2004 Regional research project on Organic Rankine Cycle (ORC) technology in industrial areas, funded by the Friuli Venezia Giulia Region. Research on system-level feasibility and opportunities for energy recovery in industrial districts.

2001–2003 PRIN — Facility Management under Global Service arrangements in an industrial district. Participation in research on the organization and provision of integrated facility services.

INDUSTRY COLLABORATION AND KNOWLEDGE TRANSFER

Scientific leadership of contract research and knowledge-transfer activities with industrial firms, public bodies and technology organizations. Main topics include **energy efficiency and industrial symbiosis** (ENEA, Danieli, Regione Friuli Venezia Giulia and FVG Energia); **sustainable transport and logistics** (Confartigianato Udine, A2A and maritime-sector partners); and **reliability and maintenance engineering** (FREUD and Danieli Automation).

2020–2021 ENEA within the Italian Electric System Research Programme. Development of technologies and plant-design approaches for improving efficiency in low- and high-temperature industrial processes. Research-unit coordinator and co-beneficiary; responsible for the University of Udine scientific contribution to industrial energy-efficiency research.

2017 Danieli Automation (Buttrio). DIGIMET — Digitalization for the Metal Industry, Scientific leadership in the development of methods and decision-support tools for condition-based monitoring and maintenance planning in steelmaking facilities.

2016–2017 Centro Ricerche Danieli (Buttrio). Engineering configuration of heat-recovery plants using absorption cooling in new steelmaking facilities, Scientific responsibility for industrial research on energy-system integration and waste heat recovery.

2013–2015 Confartigianato Udine. BREF — Business Resource Efficiency in micro and small enterprises in the Italy–Austria cross-border area, Interreg Italy–Austria. Responsible for research design, validation and analysis of initiatives in energy efficiency, sustainable logistics, eco-design and lean manufacturing.

2014 FREUD SpA (Bosch Group, Fagagna, UD). Maintenance cost management and optimization in an Industry 4.0 frameworkScientific responsibility for applied research on maintenance-management models and cost optimization.

2008 Casagrande SpA (Fontanafredda, PN). Reliability analysis and modelling of machinery subsystems affecting safety, Industrial research collaboration on reliability modelling.

2007 Anodica Trevigiana SpA (Conegliano, TV). Industrial energy systems and technology transfer. Design of energy supply and distribution for a new industrial building energy audits of production facilities supported by IAL FVG for ArcelorMittal Distribution Solutions and N. Sguassero SpA.

INTERNATIONAL RESEARCH COLLABORATIONS

Collaborative work includes **IIASA (Austria), Mälardalen University (Sweden), University of Strathclyde (United Kingdom), ENEA and University of Cagliari (Italy), Research Studios Austria/iSPACE, IUAV University of Venice, Politecnico di Milano, Politecnico di Torino and Jožef Stefan Institute (Slovenia).** Research topics encompass biomass and biomethane infrastructure, industrial waste heat and district heating, energy symbiosis, and sustainable and circular supply chains.

SERVICE TO THE SCIENTIFIC COMMUNITY

Since 2026 **Associate Editor**, Thermal Science and Engineering Progress (Elsevier); editorial board member, Renewable and Sustainable Energy Technology (as reported in the 2026 presentation).

2021–present Subject Editor (Cleaner Industrial Production), Anthropocene Science (Springer Nature).

2019–present **International Advisory Board member for editions** of SEEP — International Conference on Sustainable Energy & Environmental Protection.

2011–2017 **Scientific committee**, TESEM maintenance observatory at Politecnico di Milano.

2016–present **Scientific committee** / editorial activity in Manutenzione & Asset Management.

2022–2025 **Scientific committee**, AIMAN — Italian Association of Maintenance.

Reviewer for journals including Energy, Applied Energy, Energy Policy, Journal of Cleaner Production, Biomass and Bioenergy, Energy and Buildings, Waste Management and the International Journal of Energy Research. **Evaluator of research proposals** for Chilean and Austrian funding programmes; member of scientific committees of international conferences.

PUBLICATIONS

Journal articles

2025. Lugano, M.; Chinese, D.; Campolo, M.; Fulgosi, M. Multicriteria assessment of pre-treatment and material handling systems for improved recycling of ladle slag in electric steelmaking. RESULTS IN ENGINEERING. DOI: 10.1016/j.rineng.2025.105403.

2024. Chinese, D.; Meneghetti, A.; Cortella, G.; Giordano, L.; Tomasinsig, E.; Benedetti, M. Environmental and economic assessment of industrial excess heat recovery collaborations through 4th generation district heating systems. ENERGY. DOI: 10.1016/j.energy.2024.132630.

2022. Chinese, D.; Orrù, P. F.; Meneghetti, A.; Cortella, G.; Giordano, L.; Benedetti, M. Symbiotic and optimized energy supply for decarbonizing cheese production: An Italian case study. ENERGY. DOI: 10.1016/j.energy.2022.124785.

2021. Chinese, Damiana; Pinamonti, Piero; Mauro, Caterina A spatially explicit optimization model for the selection of sustainable transport technologies at regional bus companies. OPTIMIZATION AND ENGINEERING. DOI: 10.1007/s11081-021-09642-y.

2020. Tuni, A.; Rentizelas, A.; Chinese, D. An integrative approach to assess environmental and economic sustainability in multi-tier supply chains. PRODUCTION PLANNING & CONTROL. DOI: 10.1080/09537287.2019.1695922.

2020. Santin, M.; Chinese, D.; De Angelis, A.; Biberacher, M. Feasibility limits of using low-grade industrial waste heat in symbiotic district heating and cooling networks. CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY. DOI: 10.1007/s10098-020-01875-2.

2019. Santin, M.; Chinese, D.; Saro, O.; De Angelis, A.; Zugliano, A. Carbon and water footprint of energy saving options for the air conditioning of electric cabins at industrial sites. ENERGIES. DOI: 10.3390/en12193627.

2018. Mauro, Caterina; Rentizelas, Athanasios A.; Chinese, Damiana International vs. domestic bioenergy supply chains for co-firing plants: The role of pre-treatment technologies. RENEWABLE ENERGY. DOI: 10.1016/j.renene.2017.12.034.

2017. De Angelis, Alessandra; Chinese, Damiana; Saro, Onorio Free-cooling potential in shopping mall buildings with plants equipped by dry-coolers boosted with evaporative pads. INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY. DOI: 10.18280/ijht.350422.

2017. Patrizio, P.; Leduc, S.; Chinese, Damiana; Kraxner, F. Internalizing the external costs of biogas supply chains in the Italian energy sector. ENERGY. DOI: 10.1016/j.energy.2017.01.033.

2017. Chinese, Damiana; Santin, Maurizio; Saro, Onorio Water-energy and GHG nexus assessment of alternative heat recovery options in industry: A case study on electric steelmaking in Europe. ENERGY. DOI: 10.1016/j.energy.2017.09.043.

2016. Chinese, Damiana; Patrizio, P. The impact of regional factors and new bio-methane incentive schemes on the structure, profitability and CO2 balance of biogas plants in Italy. RENEWABLE ENERGY. DOI: 10.1016/j.renene.2016.07.047.

2015. Patrizio, Piera; Leduc, S.; Chinese, Damiana; Dotzauer, E.; Kraxner, F. Biomethane as transport fuel - A comparison with other biogas utilization pathways in northern Italy. APPLIED ENERGY. DOI: 10.1016/j.apenergy.2015.07.074.

2014. Chinese, Damiana; Patrizio, Piera; Nardin, Gioacchino Effects of changes in Italian bioenergy promotion schemes for agricultural biogas projects: Insights from a regional optimization model. ENERGY POLICY. DOI: 10.1016/j.enpol.2014.09.014.

2011. Chinese, Damiana; Ghirardo, G. L'ingegneria di manutenzione nelle aziende manifatturiere. MANUTENZIONE. TECNICA E MANAGEMENT.

2011. Chinese, Damiana; Nardin, Gioacchino; Saro, Onorio MULTICRITERIA ANALYSIS FOR THE SELECTION OF SPACE HEATING SYSTEMS IN AN INDUSTRIAL BUILDING. ENERGY. DOI: 10.1016/j.energy.2010.10.005.

2010. Chinese, Damiana; Ghirardo, G. Maintenance management in Italian manufacturing firms: Matters of size and matters of strategy. JOURNAL OF QUALITY IN MAINTENANCE ENGINEERING. DOI: 10.1108/13552511011048904.

2009. Chinese, Damiana; Meneghetti, Antonella Design of forest biofuel supply chains. INTERNATIONAL JOURNAL OF LOGISTICS SYSTEMS AND MANAGEMENT. DOI: 10.1504/IJLSM.2009.024251.

2008. Chinese, Damiana Optimal size and layout planning for district heating and cooling networks with distributed generation options. INTERNATIONAL JOURNAL OF ENERGY SECTOR MANAGEMENT. DOI: 10.1108/17506220810892946.

2007. Chinese, Damiana; Meneghetti, Antonella; Nardin, Gioacchino; Simeoni, Patrizia From hospital to municipal cogeneration systems: an Italian case study. INTERNATIONAL JOURNAL OF ENERGY RESEARCH. DOI: 10.1002/er.1267.

2007. Chinese, Damiana; Ghirardo, G. Strategie e strumenti di manutenzione nel Nord Est. Indagine sullo stato dei servizi di manutenzione nelle aziende industriali delle Province di Treviso, Pordenone e Udine". MANUTENZIONE. TECNICA E MANAGEMENT.

2005. Chinese, Damiana; Meneghetti, Antonella Optimization models for decision support in the development of biomass-based industrial district heating networks in Italy. APPLIED ENERGY.

2005. Nardin, Gioacchino; Meneghetti, Antonella; Chinese, Damiana Waste-to-energy based greenhouse heating: exploring viability conditions through optimisation models. RENEWABLE ENERGY. DOI: 10.1016/j.renene.2004.11.008.

2004. Chinese, Damiana; Meneghetti, Antonella; Nardin, Gioacchino Diffused introduction of Organic Rankine Cycle for biomass-based power generation in an industrial district: a systems analysis. INTERNATIONAL JOURNAL OF ENERGY RESEARCH. DOI: 10.1002/er.1012.

2004. Chinese, Damiana; Meneghetti, Antonella Energy analysis in industrial districts: a statistics-based approach. INTERNATIONAL JOURNAL OF GLOBAL ENERGY ISSUES. DOI: 10.1504/IJGEI.2004.005824.

2002. Meneghetti, Antonella; Chinese, Damiana Perspectives on facilities management for industrial districts. FACILITIES. DOI: 10.1108/02632770210443018.

Conference contributions

2026. G. Faggiani, C. Scanagatta, L. Riefer, M. Wassermann, M. Biberacher, M. Condotta, S. Savino, D. Chinese (2026). APPLYING A GIS-BASED MULTI-CRITERIA FRAMEWORK TO INDUSTRIAL–RESIDENTIAL RENEWABLE ENERGY COMMUNITY PLANNING: A CASE STUDY IN NORTH-EASTERN ITALY. PROCEEDINGS SEEP 2026

2026. Chinese D., Savino S., Biberacher M., Condotta M., Scanagatta C., Riefer L., Faggiani G., Wassermann M. A GIS-BASED MULTI-CRITERIA FRAMEWORK FOR PLANNING RENEWABLE ENERGY COMMUNITIES: INTEGRATING ENERGY, ECONOMIC, CARBON AND LANDSCAPE ASSESSMENT. SEEP 2026

2025. Chinese D., Savino S., Wasserman M., Faggiani G., Croce G. Strategies, Costs, and Benefits for Achieving Energy Self-Sufficiency in the Italian Manufacturing Sector With PV Technology. Energy Proceedings.

2025. Bolzan, A.; Faggiani, G.; Chinese, D.; D'Agaro, P.; Sučić, B. FEASIBILITY OF CIRCULAR SUPPLY CHAINS FOR END-OF-LIFE PHOTOVOLTAIC PANELS IN CROSS-BORDER REGIONS. Proceedings of SEEP2025.

2024. Elias, I. M.; Chinese, D. Opportunities and challenges of Retail 4.0 in grocery stores: a conceptual framework. SUMMER SCHOOL FRANCESCO TURCO. PROCEEDINGS.

2024. Chinese, Damiana; Savino, Stefano; Croce, Giulio; Biberacher, Markus; Riefer, Lisa PURSUING FULL INDUSTRIAL DECARBONISATION THROUGH RENEWABLE ENERGY COMMUNITIES: INSIGHTS FROM A SIMULATION MODEL. Proceedings of the 16th International Conference on Sustainable Energy & Environmental Protection.

2023. Chinese, D.; Meneghetti, A.; Cortella, G.; Giordano, L.; Benedetti, M.; Tomasinsig, E. Industrial Waste Heat Recovery Collaborations through 4 th generation District Heating: A Decision Support Tool. 15th International Conference on Sustainable Energy & Environmental Protection SEEP 2023.

2022. Lugano, M.; Chinese, D.; Campolo, M.; Fulgosi, M. Comparison of novel ladle slag treatment and handling systems based on resource-efficiency metrics. ...SUMMER SCHOOL FRANCESCO TURCO. PROCEEDINGS.

2021. Chinese, Damiana; Francesco Orrù, Pier; Meneghetti, Antonella DECARBONIZING CHEESE PRODUCTION IN ITALY THROUGH OPTIMIZED AND RENEWABLE ENERGY SUPPLY. Proceedings of SEEP2021, 13-16 September 2021, BOKU, Vienna, Austria.

2020. Chinese, Damiana; Pinamonti, Piero; Mauro, Caterina Optimizing the selection of sustainable transport technologies at regional bus companies with a spatially explicit approach. 15th Conference on Sustainable Development of Energy, Water and Environment Systems - Digital Proceedings.

2018. Hofsäß, Fabian; Santin, Maurizio; Condotta, Massimiliano; Biberacher, Markus; Chinese, Damiana; Borga, Giovanni Grid based energy system setup optimisation with Rivus in dedicated regions. ISEC 2018. Renewable Heating and Cooling in Integrated Urban and Industrial Energy Systems.

2018. Chinese, Damiana; Santin, Maurizio; De Angelis, Alessandra; Saro, Onorio; Biberacher, Markus What to do with industrial waste heat considering a water-energy nexus perspective. Eceee Industrial Summer Study Proceedings.

2016. Chinese, Damiana; Santin, Maurizio; Saro, Onorio Exploring the Water-Energy-GHG NEXUS in Process Waste Heat Recovery Projects. 2nd SEE SDEWES Conference Digital Proceedings.

2014. Chinese, Damiana; Patrizio, Piera; Bonotto, M. A Service Station Location Model to Explore Prospects and Policies for Alternative Transport Fuels: A Case of CNG Distribution in Italy. Computer-based Modelling and Optimization in Transportation. DOI: 10.1007/978-3-319-04630-3_6.

2014. Chinese, Damiana; Patrizio, Piera; Nardin, Gioacchino Optimal location, technology and capacity planning of biogas production and utilization plants. Proceedings of the Summer School Francesco Turco.

2013. Nardin, Gioacchino; Meneghetti, Antonella; Chinese, Damiana; Simeoni, Patrizia Universities as activators of urban symbiosis for sustainable energy supply: a case study. Proceedings of the Joint Conferences: 16th Conference of the European Roundtable on Sustainable Consumption and Production (ERSCP);7th Conference of the Environmental Management for Sustainable Universities (EMSU).

2012. Chinese, Damiana; Patrizio, Piera Bigger, better, slower, less: a longitudinal case study on the energy efficiency of a global supply chain. Proceedings of the XVII Summer School "Francesco Turco" 2012.

2012. Chinese, Damiana; Fiannacca, G.; Pezzarini, D.; Pinamonti, Piero Valutazione tecnico-economica di un impianto a biomasse mediante analisi di rischio. Atti del 67° Congresso Annuale ATI - Trieste 2012.

2011. Chinese, Damiana; Fumagalli, L.; Ierace, S.; Macchi, M.; Guarino, M. Benchmarking maintenance management in manufacturing firms: empirical evidence from Northern Italy. Proceedings of the XVI Summer School "Francesco Turco" 2011.

2011. Chinese, Damiana Location and long-term capacity planning of agricultural biogas plants. Proceedings of MTTR - Slovenian-Italian Conference on Materials and Technologies for Sustainable Growth.

2007. Chinese, Damiana; Monaco, B; Nardin, Gioacchino Exploring prospects for local, small-scale biofuel supply chains: A Mathematical Programming Model for Friuli Venezia Giulia Region. From research to market deployment.15th european biomass conference & exhibition.

2007. Chinese, Damiana; Nardin, G; Tosoni, S. Impatto energetico-ambientale della logistica globale di approvvigionamento per un'azienda industriale. Atti del XXXIV Convegno Nazionale ANIMP - OICE - UAMI.

2007. Chinese, Damiana; Nardin, G.; Simeoni, Patrizia Incorporating Environmental and Economic Objectives in the Design of Distributed Generation and District Heating Plants Through Externalities: Dealing with Uncertainty. SUSTAINABLE DEVELOPMENT OF ENERGY, WATER AND ENVIRONMENT SYSTEMS.

2007. Chinese, Damiana; Sturam, J. Resolving Location Issues in Planning the Development of Biomass Based District Energy Systems. From research to market deployment. 15th european biomass conference & exhibition.

2006. Chinese, Damiana; Biral, M. "To centralize or to decentralize? An optimization model supporting the design of distributed cogeneration, district heating and cooling systems. Proceedings of the 19th MiniEURO Conference Operational Research Models and Methods in the Energy Sector.

2005. Chinese, Damiana; Nardin, Gioacchino; Simeoni, Patrizia Pursuing environmental and economic objectives in the design of distributed generation and district heating plants. SUSTAINABLE DEVELOPMENT OF ENERGY, WATER AND ENVIRONMENT SYSTEMSProceedings of the 3rd.

2004. Chinese, Damiana; Meneghetti, Antonella; Venturini, E. A METHODOLOGY TO ASSESS FOREST RESIDUAL POTENTIALS FOR POWER GENERATION IN MOUNTAIN AREAS: THE CASE OF NORTH-EASTERN ITALY. Proceedings of the 2nd World Biomass Conference, Vol. 1.

2004. Nardin, Gioacchino; Simeoni, Patrizia; Meneghetti, Antonella; Chinese, Damiana Application of biomass fed ORC power systems in the furniture manufacturing industrial district of Pordenone - Part I: Determinants of renewable energy exploitation. Proceedings of the 3rd International Symposium Energy and Environment 2004.

2004. Nardin, Gioacchino; Simeoni, Patrizia; Meneghetti, Antonella; Chinese, Damiana La cogenerazione in un contesto urbano: il caso di Udine Nord. Atti del XXXI convegno nazionale ANIMP.

2004. Chinese, Damiana; Meneghetti, Antonella; Venturini, E. Progettazione della logistica di approvvigionamento per impianti di conversione energetica a biomasse: applicazione ad un contesto montano. Atti del XXXI convegno nazionale ANIMP.

2003. Chinese, Damiana; Meneghetti, Antonella; Nardin, Gioacchino Evaluating feasibility of a sustainable greenhouse heating through renewable energy sources. ADVANCES IN ECOLOGICAL SCIENCES.

2003. Chinese, Damiana; DE MONTE, M.; Meneghetti, Antonella; Padoano, E.; Vogrig, R. Facilities Management in un distretto industriale: orientamenti delle imprese ed opportunità di sviluppo nel settore del legno. Atti del XXX Convegno Nazionale ANIMP.

2002. Chinese, Damiana; Meneghetti, Antonella A district oriented approach to energy flows analysis: a case study from the food industry. Design and Nature - Comparing Design in Nature with Science and Engineering.

2002. Chinese, Damiana; Meneghetti, Antonella Designing a biomass-fired district heating system serving an industrial district: deriving profitability information through an optimised dimensioning. Twelfth European Biomass Conference - Biomass for energy, industry and climate protection.

2002. Chinese, Damiana; Meneghetti, Antonella Designing a biomass-fired system serving an industrial district: deriving profitability information through an optimised dimensioning. Proceedings of the 12th European Conference and Technology Exhibition on Biomass for Energy, Industry and Climate Protection.

2002. Nardin, Gioacchino; Chinese, Damiana; Meneghetti, Antonella Industrial waste recovery from the furniture industry: designing an integrated cogeneration pole for CO2 emission minimisation. Proceedings of SWEMP, Seventh International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production.

2002. Nardin, Gioacchino; Meneghetti, Antonella; Chinese, Damiana; Moroso, L. Integrazione di metodologie statistiche e analisi tecniche per la stima dei fabbisogni energetici nei distretti industriali. Atti del XXIX convegno nazionale ANIMP.

2001. Chinese, Damiana; Meneghetti, Antonella; Nardin, Gioacchino; Simeoni, Patrizia Realizzazione e gestione di un impianto di cogenerazione alimentato a scarti industriali: aspetti funzionali e valutazioni tecnico economiche a fronte del primo anno di esercizio. Atti del Terzo Convegno Nazionale "Utilizzazione Termica dei Rifiuti".

Book chapters, books and other publications

2008. Chinese, Damiana Lo studio di fattibilità degli impianti di servizio: principi teorici ed esempi applicativi. QUADERNI TECNICI DI INGEGNERIA Vol.1 - Seminari di preparazione all'esame di stato per l'abilitazione alla professione di ingegnere.

2005. Nardin, Gioacchino; Chinese, Damiana Opportunita' di cogenerazione alimentata a biomasse nel distretto del mobile dell'alto Livenza: fattibilita' economica ed impatto sul territorio, in " Energia prodotta dagli scarti della lavorazione del legno - Opportunita' di cogenerazione nel distretto del mobile", Piero Pinamonti, Forum Editrice Universitaria Udinese.

2005. Chinese, Damiana; Nardin, G. Opportunità di cogenerazione alimentata a biomasse nel distretto del mobile dell'Alto Livenza:fattibilità economica ed impatto sul territorio. " Energia prodotta dagli scarti della lavorazione del legno - Opportunita' di cogenerazione nel distretto del mobile", Piero Pinamonti, Forum Editrice Universitaria Udinese.