

ANGELA MARIA TOMASONI CURRICULUM VITAE

Sommario

ENGLISH CV	2
Chapter 1 - Summary of personal details and qualifications.....	2
1.1 Personal data	2
1.2 Qualifications:.....	2
1.3 Further specializations	2
Chapter 2 - Teaching activity at university level in Italy or abroad	3
2.1 Teaching support activities.....	3
2.2 Thesis co-supervisor	3
2.3 Other educational activity	3
Chapter 3 - Training and research activities	3
3.1 List of positions held.....	4
3.2 Other positions held	4
Chapter 4 - Organization, direction, coordination or participation in national and international research groups	5
4.1 Framework of the research activity.....	5
4.2 Speaker at national and international conferences.....	6
4.3 Awards and recognitions	7
Chapter 5 – Publication and Editorial activities	7
5.1 Reviewer of scientific articles.....	7
5.2 Publications – Pubblicazioni Accademiche.....	7
ATTACHEMENTS.....	12

ENGLISH CV



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Chapter 1 - Summary of personal details and qualifications

1.1 Personal data

Angela Maria Tomasoni was born in Genoa the 08th of January 1980, she is a female, she is a wife since 2007 and a mother of two daughters of 17 and 14 years old.

1.2 Qualifications:

- 2007-2010 PhD in co-supervision of thesis with Ecole des Mines in Paris.
XXII Research Doctorate Cycle in "System Monitoring and Management of Environmental Risks", at the University of Genoa (Annex 1)
- 07/25/2006 Master's Degree in Environmental Engineering, with a score of 110 cum laude. University of Genoa, in Management of Natural and Industrial Risks (Annex 2)
- 10/21/2003 Three-year degree in Environmental Engineering, with a score of 108/110. University of Genoa, Bachelor's Degree in Environmental Engineering (Annex 3)
- 07/25/1999 Classical High School Diploma, with a score of 62/100. G. Mazzini State Gymnasium High School, Genoa – Sampierdarena

1.3 Further specializations

- 02/01/2018 – 05/31/2018 Training course for the acquisition of 24 CFU ex D.M. 616/2017 (Legislative Decree 59/2017) at the University of Genoa Lifelong Learning, Orientation, E-learning and Systems Area
- 02/27/2016 QHSE INTEGRATED SYSTEM RESPONSIBLE achieved at ISTUM Institute of Management Studies.
QHSE INTEGRATED SYSTEM RESPONSIBLE (100 h) Main topics/professional skills acquired Quality, Health, Safety and Environment Integrated System Responsible – Reference standards: UNI EN ISO 9001:2015 – UNI EN ISO 14001:2015 – UNI EN ISO 50001:2011 – OHSAS 18001:2007 – UNI EN ISO 19011:2012
Certification for the recognition of the requirements and skills useful for registration in the AICQ-SICEV "Integrated System Responsible" register Reg N. 174 (QHSE-34397) SICEP REGISTER N. 054 (ITALIAN SOCIETY FOR CERTIFICATION OF PROFESSIONALS). <http://aicqsicev.it/registro-figureprofessional/#> Expired in 2020 and renewable
- 27/02/2016 MASGI Diploma – 26796: Master of Advanced Management Training: "Integrated Management Systems for QUALITY, ENVIRONMENT, ENERGY and SAFETY". Achievement of Lead Auditor Title for Quality, Environment, Energy and Safety. Certificates recognized by Aicq-sicev with relevant register number. International level
- Session 12/2006 State exam for qualification to the profession of Civil and Environmental Industrial Information Engineer
- 2/04/2012 Practice of the Profession (Civil and Environmental Engineer, Information Engineer, Industrial Engineer)

Chapter 2 - Teaching activity at university level in Italy or abroad

2.1 Teaching support activities

- A.A. 2024/2025 Individual teaching assignment, valid for the 2024-2025 academic year, concerning 40 hours of lessons/laboratory/exercises for the teaching of WILDFIRE RISK ASSESSMENT AND MANAGEMENT, code 94658, for the Degree Course in Engineering for Natural Risk Management, 1st semester and lesson preparation activities, participation in exam commissions for the entire academic year of reference and, where applicable, in the final exam for the achievement of the degree, office hours on the scheduled days and times, orientation and participation in the meetings of the relevant Degree Course Council, in compliance with Art. 3, paragraph 2 of the contract signed between the parties

- A.A. 2023/2024 PhD course in Security, Risk and Vulnerability: "Different methodological approaches and tools for the risk assessment in the safe, sustainable, and efficient logistic chain of dangerous goods transportation in a space area and in a time window of global transitions"

- A.A. 2023/2024 UniSavona and Senior Unige courses provided:

a. Digitalization throughout life: IT, platforms and social media in the era of transitions and post-pandemic

b. Mitigating the impacts of the ecological transition: environment, society and energy and the risks associated with climate change.

- A.A. 2008/2009 and 2009/2010 Support activities for the teaching of the GIS and "Environmental Management Systems" course at the University of Genoa, at the University Campus of Savona

- A.A. 2007/2008 Teaching support assistant for the Territorial Information Systems course for 15 hours of practice on GeoMedia and Intergraph software

- From 2000 to 2006 Representative of Environmental Engineering Students (re-elected for the second three-year term)

2.2 Thesis co-supervisor

- External Supervisor in Master Thesis 09/2021- 09/2022 University of Rome Tor Vergata – Department of Industrial Engineering, Faculty of Medicine and Surgery – International Master Course on Protection against Chemical, Biological, Radiological, Nuclear and Explosive Events (CBRNe) – 2nd Level – 2021 Edition – Final thesis entitled "Estimation of the frequency of occurrence of accidents involving dangerous goods in the road transport in the territory of the Province of Genoa". PhD supervisor, Andrea Malizia, Tor Vergata University.

External Supervisor PhD, Angela Maria Tomasoni, University of Genoa.

Candidates: Francesco FILIPPONE, Paolo TOMOLA - Master CBRN.

- Co-supervisor of a Three-year Degree Thesis in Environmental Engineering. A.A. 2009/2010. "Implementation of GIS tools to support risk analysis and the development of territorial planning criteria for the pipeline transport of dangerous substances". Candidate: Irene Marras.

- Co-supervisor of a Master's Degree Thesis in Environmental Engineering, Management of Natural and Industrial Risks. A.A. 2006/2007. "Models and methods for the assessment and control of the risk of transporting dangerous goods by road". Candidate: Daniela Ottorino.

2.3 Other educational activity

- A.A. 20023/2024. PhD Program on Security, Risk and Vulnerability, teacher of the course in "Different methodological approaches and tools for the risk assessment in the safe, sustainable, and efficient logistic chain of dangerous goods transportation in a space area and in a time period of global transitions".

- A.A. 20023/2024. UniGE Senior University teacher. Course: "Digitalization across the lifelong learning: IT, platforms and social media in the era of transitions and post pandemic".

- A.A. 20023/2024. UniGE Senior University teacher. Course: "Mitigate the impacts of the ecological transition: environment, society, energy, and the risks linked to climate changes".

Chapter 3 - Training and research activities

3.1 List of positions held

- 01/09/2024 – in progress. Teaching activity, contract teaching, at the University of Genoa, Department of Naval, Electrical, Electronic and Telecommunications Engineering, Polytechnic School, University of Genoa.
- 03/06/2019 – 02/06/2025. Research fellow at DIBRIS (Department of Computer Science, Bioengineering, Robotics and Systems Engineering) – Research fellow in industrial and information engineering at the University of Genoa.
Research activity, research grant N.2661 of 05.28.2019 renewed 2020, 2021 and 2022.
Research activity for the program called "Logistics and Safety of goods transport, multi-action project on the management of dangerous goods entering and leaving ports in the cooperation area"; scientific-disciplinary area: INDUSTRIAL AND INFORMATION ENGINEERING; scientific-disciplinary sector: ING-INF/04 AUTOMATION
- 04/01/2010 – 28/02/2011 Research fellow at the DIST, Call N°: D.D.A. n.1012 of 12/10/2009; Program No.: Research Program no. 26.
Title: Models and methods for optimal multi-modal routing of dangerous goods.
Research and testing of heuristics and algorithms to reduce the risk of transporting dangerous goods by road, route and journey optimization models, prototypes for tracking goods in compliance with policy and security rules on goods transport (ADR, EU legislation, Highway Code, Safety Data Sheet). University of Genoa, Via all'Opera Pia, 13 - 16145 Genoa. Information systems and decision support systems in the logistics sector, and for risk management, with particular reference to the transport of dangerous goods.

3.2 Other positions held

- 12/02/2021 – 31/12/2021 ISFORCOOP Training Agency. Teaching to support the CRISALIDE group – integrate to grow. Occasional collaboration assignment in relation to the ESF activity - training year 2020 and training year 2021-22:
Scientific-technological axis" Integrating to grow – CHRISALIS 2nd year ARSV20-2485prosec-4-2;
Scientific-technological axis" Integrate to grow - CHRISALIS 3rd year ARSV-2485prosec-3-2.
- 01/10/2017-30/05/2019 Activities as a freelancer in the context of the preparation and presentation of ENEA practices, i.e. "PROCEDURE FOR COMPLETING AND SENDING THE DEDUCTION DECLARATION" in compliance with the UNI TS 11300 regulations - parts 1 and 2:2014, UNI TS 11300-3:2010 and UNI TS 11300 - parts 4 and 5:2016 as well as UNI 10349:2016
- 18/03/2017 – 17/03/2020 Freelance business consultant, in framework agreement with Igeam Academy S.r.l. - training solutions - for carrying out teaching on health and safety in the workplace Legislative Decree 81/08. To carry out teaching and training courses relating to the 2011 State-Regions Agreement
- 03/01/2017-31/05/2019 Professional qualified for energy certification of buildings in the Liguria Region n. 7753. Drafting of APE, energy audit, energy analysis, energy planning, drafting of ACE reports and feasibility studies as a freelancer (Energy management)
- 04/01/2017-31/05/2019 Activities of Engineering Studies, Freelance in
Civil, Quality, Engineering and Energy management: Programming, Design, Management and Certification (VAT number: 01735880096)
- 01/08/2016 – 09/30/2016 Technical assistance for the development of operational tools for the orientation of the environmental and sustainability policies of the Liguria Region in the 2014-2020 planning and project framework. Analysis, design and monitoring of certain programs and operational plans (environment, agriculture, energy and economic development)
- 14/05/2015 – 31/12/2015 Technical assistance and research activities within the project "Development of operational tools for the orientation of environmental and sustainability policies of the Liguria Region in the 2014-2020 planning and planning framework". Drafting of documents and reports, study, in-depth analysis and verification activities, coordination with the company and with the Community Projects Area staff and local stakeholders to provide indications, also through the identification of operational tools.
- 04/29/2015 Registration in the Register of Engineers. PEC email. Membership Number: 1958. Order of Engineers of the Province of Savona. Registration as a private individual and not as a freelancer - Section A - Degree: Environmental Engineering
- 04/1/2014 – 03/31/2015 Technical - administrative - financial execution of European projects in the transport and environment sector on behalf of the Liguria Region: OPTIMIZEMED project - Development and optimization of the OPTIMIZEMED Platform, financed by the European Union, transport axis, through the MED Programme: study, communication, in-depth analysis and verification of documentation and information, data collection and their analysis relating to ports, infrastructures, services, logistics and economic activities relating to these sectors. Drafting of documents and reports, coordination with the company, project partners and stakeholders.
- 01/01/2014 – 12/31/2014 Drafting of the documentation relating to the Strategic Environmental Assessment (SEA) for the POR-FESR Operational Program 2014-2020 of the Liguria Region, Economic Development Sector: Preliminary Environmental Report, Environmental Report and Technical Attachments (Social- Economic and Environmental Reference Framework, Regulatory Reference Framework, Environmental Monitoring Plan, Impact Analysis, Non-Technical Summary). Coordination and verification with the regional reference structures, coordination with the Management Authority, the Control Authority and Competent Subjects in Environmental Matters and participation in the SEA Technical Committee to

report the documents produced. The documents were drawn up within the working group of the Environmental Authority of the Liguria Region of which I was a member.

- 26/06/2013 – 31/12/2013 Technical - administrative - financial execution of European projects in the transport and environment sector on behalf of the Liguria Region: MoS24 project financed by the European Union, transport sector, through the TEN-T Programme: development and internal and external communication of the study, in the form of pilot actions, for the modal rebalancing along Corridor 24, the promotion of multi-modality, the strengthening and connection of Corridor 24 with the Motorways of the Sea (MoS) of the Mediterranean, the definition of a single multi-modal ICT corridor between northern and southern Europe, analyzing the transfer of goods in a bi-directional sense.

- 1/06/2012 – 31/05/2013 Technical - administrative - financial execution of European projects in the transport and environment sector on behalf of the Liguria Region: ETABETA project financed by the European Commission, Environment sector, through the Life + Programme: research, assistance administrative and communication for the development of actions that contribute to the development, planning and updating of European policy and legislation on the environmental issues developed in the project (ECO-AP, ETAP, ETV, etc) to promote action plans for the development of technologies environmental issues in Ecologically Equipped Production Areas (Apea)

- 16/01/2012 – 31/03/2012 Technical - administrative - financial execution of European projects in the transport and environment sector on behalf of the Liguria Region: European project no. 80 SECTRAM – SAFETY IN GOOD TRANSPORT financed by the European Commission, measure 3.2: Transport, through the cross-border cooperation program between Italy and France "Alcotra": technical, administrative and communication assistance

- 1/03/2011 – 29/02/2012 Design, technical - administrative - financial execution of European projects in the transport and environment sector on behalf of the Liguria Region:
European projects of the MED program: BACKGROUNDS, MEMO, SECUR MED PLUS and TERCONMED of which the Liguria Region was Partner and Leader (SECUR MED PLUS).

Chapter 4 - Organization, direction, coordination or participation in national and international research groups

4.1 Framework of the research activity

My research activity is currently mainly located in the field of "System of Systems Engineering" (SoSE) even if, it originates from the Doctoral School of Engineering, in "Sciences and Technologies of Information and Knowledge", aimed at "Monitoring Systems and Environmental Risk Management" of the 22nd Doctorate Cycle of the School of Engineering.

Even during my job period outside the University, I have never abandoned the approach to research, cognitive in-depth analysis and subsequent operational actions to structure management systems to support human decision-making regarding an incidental, accidental, management event of a service, or evaluative and quantitative to find some possible solution.

Monitoring systems have always fascinated me, because monitoring is a "take care of" tool, and monitoring is an action of improvement and governance of what is studied and followed.

If our planet were a person, we want to understand what its state of health is, what he/she needs, what we must stop doing, and what, instead, we must propose and support for the balance of our planet, i.e. its well-being and longevity are safeguarded.

These same principles can also apply to a transport system, or mobility - safe and sustainable - the importance of the coefficients and not just the variables in an objective function can make the difference, like the details that lead to perfection.

The scientific, technical and mathematical sphere must be able to find the right combination with aspects of empathy, relational and communication skills, all this in order to be able to tackle mathematically complex problems within a transversal and multidisciplinary working group, which can say something significant: the Pareto optimum must always deal with the human factor or with randomness and therefore, dynamic systems are those that best approximate reality and are the most challenging in my opinion, due to successive stages of approximation: white swans, swans black elephants, white elephants, gray elephants – more or less complex systems about which more or less information is known and which therefore can be predicted, guided, monitored - with more or less ease - to understand how certain systems will evolve, rather than others.

Observing, predicting and controlling are actions that a researcher does in order not to leave the effects of a dynamic system to chance, which evolves in time and space, where the risk to human life, flora, fauna, goods, infrastructure and services.

The researcher can make his own contribution in this field.

I would like to make my contribution in this field, which has repercussions on the digitalisation of systems, on environmental-social-economic sustainability (resources are scarce, we all aspire to happiness, time is limited and we have to earn a living), on health and safety of people, on the energy and ecological transition, that is, life itself on our planet, today a geopolitical chessboard, rather than the common home of the culture of peoples.

The researcher channels time, knowledge and energy - in a broad sense - towards the search for a balanced system, which partly self-feeds and partly self-sustains, in an orderly manner.

I began to develop these ideas at the beginning of my three-year degree thesis, in 2003, and at various levels they were taken up and evolved with me with growing awareness and always many doubts and lack of answers or adequate answers.

In 2015, I became a member of The Environmental Authority (A.A) of the Liguria Region, that has the task of ensuring environmental integration and orientation towards sustainability in all phases of preparation, implementation and surveillance of community programs under the European structural funds, and works to promote strategies and good practices of sustainability in the regional territory. In particular, the Environmental Authority cooperates with the Management Authority in the implementation phase of the POR FESR 2014-2020 (ref. DCC n. 7/2015), collaborating with FILSE in the investigation of funding applications. It also contributes to the environmental monitoring of the effects of the POR FESR 2014-2020. The environmental monitoring activities are linked to the activities related to the general monitoring of the effectiveness of the Programme. It carries out similar functions within the Interreg ALCOTRA and MARITIME cross-border cooperation programmes.

Through the technical assistance of Liguria Ricerche, the Environmental Authority collaborates in carrying out the SEA (Strategic Environmental Assessment) and personally I have collaborated in the process on the new POR FESR 2014-2020 programming, The Waste Management Programme, The SEA of the Quarry Plan, SEA of the Regional Energy Plan, SEA of the Rural Development Plan.

The regional Environmental Authority also participates in the National Network of Environmental Authorities, which represents an important level of comparison, in-depth analysis of specific problems and the development of technical and methodological guidelines relating to the environmental aspects of the program actions.

The functions of the Environmental Authority are identified in the EIA (Environmental Impact Assessment) and sustainable development sector of the Environment and Civil Protection Department.

In 2019, I began to deal, again, personally with the development, study, design and operation of ICT systems to support the Ligurian, Tuscan, Sardinian and French territories, to increase the level of knowledge and awareness on safe transport issues and tools and systems of systems useful for describing, observing, analysing, evaluating and expressing a degree of danger and risk regarding the transport of certain goods, specifically, those dangerous towards receptors, exposed elements, or targets.

In 2020, I re-start to go into publication at national and international level on different topics, some of them to be exploited and disseminated:

- Models, methods and tools for transport safety in the land-port-sea logistics sector.
- Optimal Resource Allocation in Natural Hazard Management.
- Natural risk assessment and decision planning for disaster mitigation.
- Formalization of the static and the dynamic optimization problem for encourage the development and the use of renewable energies rather than the traditional ones.
- Solid waste management systems in urban areas, multi-objective optimization of solid waste flows and decision support systems.
- Complex problems: Scheduling with deteriorating jobs.
- Systems for dynamic wildfire risk assessment and Machine Learning-Based Approach for Wildfire Susceptibility and Wildfire hazard Mapping.

In 2022, Application for Interreg Maritime Italy France 2021-2027 project first call for projects and second call for projects on Priorities 2, 3 and 4

In 2023, Development of the research activity promoted through the RAISE project: RAISE catalogue sheet for this web. Sheet and related Background. Development of a methodological framework to support risk and resilience assessment in the context of energy transition:

- Robotic systems and AI "tools for the assessment and management of safety and risk"
- 5.3.1 Dynamic risk analysis tools based on artificial intelligence for activities and logistics in port areas, related to the storage and handling of dangerous goods, chemicals and new fuels.
- 5.3.5 Resilience assessment based on a set of resilience indicators

In 2024, Member of the Italian Association of Chemical Engineering (AIDIC) in Italy, European Federation of Chemical Engineering (EFCE) at European level.

4.2 Speaker at national and international conferences

06/14/2024 author of an article, "LOSE+LAB: an ICT-based vocational training system tool to improve dangerous goods transportation safety and professional skills", presented as a speaker at the National Faculty Development Congress, Genoa, 13 and 14 June 2024.

06/08/2022 author of an article, presented as a speaker at the "Springer Word4System" International Congress 6th WS4 2022 | London, United Kingdom | Technical Session 4C, (11:28am-11:30am BST @ Virtual Room C). Speech entitled: "An ICT-based Decision Support System (DSS) for the Safety Transport of Dangerous Goods along the Liguria and Tuscany Mediterranean Coast", London (remote), Friday, 26/08/2022 by Zoom Platform • 12: 31pm - 12.45pm <https://sched.co/19wrc>. (All WorldS4 2022 presented papers will be published in conference proceedings by Springer LNNS. ISSN: 2367-3370)

06/22/2022 ASITA National Conference 2022. Angela Maria Tomasoni presented the extended Abstract entitled "Location-Based Services and Web Mapping: the "Common System for Security" density maps and scenario simulation at sea of the Interreg project Maritime IT-FR LOSE+", during the

morning session of Wednesday 22 June – Palazzo della Meridiana, 11.00 – 13.00, Sala IMPERIALE, PARALLEL SESSION “Applications of remote sensing: environmental monitoring”. Moderator: Maria Teresa Melis, University of Cagliari.

06/23/2022 ASITA National Conference 2022. Angela Maria Tomasoni presented the extended Abstract entitled "A decision support system for public decision makers: the "Common Security System" of the Interreg Maritime IT-FR LOSE+ project", during the morning session of Thursday 23 June - Galata Museo del Mare, 9.00 - 11.00, Saletta dell'Arte - PARALLEL SESSION - Monitoring, interoperability and decision support. Moderator: Michele Grimaldi, University of Salerno.

03/12/2021 Genoa Smart Week, "City, port & environment", Contribution: "LOSE+ project in the CLUSTER of projects on MARITIME SAFETY, logistics and safety of goods transport - MULTIACTION PROJECT ON THE MANAGEMENT OF DANGEROUS GOODS ENTRY AND EXIT FROM PORTS IN THE COOPERATION AREA" A.M. Tomasoni, University of Genoa – DIBRIS. Genoa, 28.11.2019, Palazzo Tursi Representative Hall

16/09/2020 28th Mediterranean Conference on Control and Automation (MED) 15-18 September 2020, Saint-Raphaël, France. The article was presented in a virtual session due to the lockdown for Sars Covid-19, Eng. Tomasoni has prepared a video presentation of the article lasting 12 minutes and 3 minutes available to guests, organizers, editors and scholars for questions or clarifications.

4.3 Awards and recognitions

13/06/2010 Doctors of Philosophy of the School of Engineering – Yearsbook 2010. Plenary awards session in the Aula Magna in Villa Cambiaso, with plaque awarded to each PhD of the 21st, 22nd and 23rd Doctoral Cycles, who obtained the title from Professor Paola Girdinio, Dean of the School of Engineering

2007 Winner of best Master's Degree thesis, initiative sponsored by the Industrial Union of the Province of Savona

2003 Winner of the Torretta di Savona Lions Club award for best CL3 degree thesis

2002 Winner of the “Energica-mente” scholarship awarded by Ansaldo Energia.

2001 Winner of the “CUS Genoa: Sports and Educational merits” scholarship and participation in the University Athletics Championships held in Turin in the specialty of Hammer Throw.

Chapter 5 – Publication and Editorial activities

5.1 Reviewer of scientific articles

2020 - Reviewer for the international newspaper “TRANSPORT PROBLEMS”. The article entitled “RISK PERCEPTION OF HAZARDOUS MATERIALS TRANSPORTATION” has been revised.

2022 - 10th International Conference On Safety & Environment in process & Power Industry. Official Reviewer for the CISAP 10 Conference held in Florence in person from 8 to 11 May 2022 (Official Reviewer of CISAP10 Conference).

2023 - Reviewer for the international Journals IEEE.

2023 - Reviewer for ScholarOne.

2024 - Reviewer for IFAC IAMES IPC. 3rd IFAC Workshop on Integrated Assessment Modelling for Environmental Systems Submission number: 41 Review deadline: April 5, 2024.

2024/2025 - Reviewer for MDPI.

5.2 Publications – Pubblicazioni Accademiche

Tomasoni, Angela Maria

Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi, Genoa, Italy

Here are some indicators detectable by Scopus, update: 06/09/2025.

View this author's ORCID profile

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Citations: 104

N.	Titolo	Autori	Anno	Fonte
27*	Libro Bianco – Gestione della sicurezza della logistica e del trasporto delle merci pericolose / Livre blanc - Gestion de la sécurité dans la logistique et le transport de marchandises dangereuses	Angela Maria Tomasoni	2025*	Book submitted to the Genova University Press Editorial board.
01	A GIS-Based Safe System Approach for Risk Assessment in the Transportation of Dangerous Goods: A Case Study in Italian Regions	Angela Maria Tomasoni, Abdellatif Soussi, Enrico Zero, Roberto Sacile	2025	Systems, Volume 13, Numero 7, pp. 580, Editore MDPI
02	Training Support System for the Use of One ICT System of Systems in Risk and Emergency Management in the Transport of Dangerous Goods	Angela Maria Tomasoni, Anita Trotta, Massimo D'Inca	2025	2025 20th Annual System of Systems Engineering Conference (SoSE), pp. 1-6, IEEE
03	Risk Model for Monitoring Road Safety Assessment in the Transportation of Dangerous Goods: A Case Study of Emerging GIS Data in Italian Regions	Angela Maria Tomasoni, Roberto Sacile, Enrico Zero, Abdellatif Soussi	2025	Available at SSRN 4802922
04	GIS tools and deterministic approach to vessel risk assessment derived from an oil spill scenario with pollution into the Mediterranean Sea	Angela Maria Tomasoni, Francesco Grillo, Abdellatif Soussi	2025	ASITA 2024 - ASITA 2024 · 26th Italian Conference on Geomatics and Geospatial Technologies. Padua, Italy, 09–13 December 2024 https://www.asita.it/en/asita2024-conference/
05	Risk Model for Monitoring Road Safety Assessment in the Transportation of Dangerous Goods: A Case Study of Emerging GIS Data in Italian Regions	Angela Maria Tomasoni, Abdellatif Soussi, Roberto Sacile	2024	Submitted to Accident Analysis and Prevention – Special Issue on "Emerging Geospatial Data Applications in Road Safety Studies"
06	Assessing accident rates and frequency of incidents involving dangerous goods in the Genoa district at sub-regional scale - a data-driven approach	Angela Maria Tomasoni, Abdellatif Soussi, Francesco Filippone, Roberto Sacile	2024	Chemical Engineering Transactions Journal, Vol. 111, pp. 97-102 (CET) – Cisap 11 Conference, Naples 15-18 September 2024

07	LOSE+LAB: an ICT-based vocational training system tool to improve dangerous goods transportation safety and professional skills	Angela Tomasoni, Maria Roberto Sacile	2024	5° Convegno nazionale sul Faculty Development, Genova, 13 e 14 giugno 2024
08	Big Data-Based Risk Assessment Model for Dangerous Goods Transportation: A Case Study for Liguria Region in Italy	Soussi, A., Tomasoni, A.M., Zero, E., Sacile, R.,	2024	In: Nagar, A.K., Jat, D.S., Mishra, D., Joshi, A. (eds) Intelligent Sustainable Systems. WorldS4 2023. Lecture Notes in Networks and Systems, vol 812. Springer, Singapore. https://doi.org/10.1007/978-981-99-8031-4_31
09	The impact of hazardous chemicals on human health and the environment: state of the art and risk assessment tools"	Abdellatif Soussi, Angela Maria Tomasoni, Said Mouak, Mohammed Hakmi, Azeddine Ibrahimi, Roberto Sacile	2024	Chapter in book accepted by the Springer (Integrated Science book series) Integrated Science for Sustainable Development Goal 3 (SDG 3): Universal Good Health and Well-being. Springer Nature Switzerland (https://www.springer.com/series/16554) [cfr. Vol. 24, Cap.8-1-14, pp. 165-200]
10	Toxic Release Damage Distance Assessment Based on the Short-Cut Method: A Case Study for the Transport of Chlorine and Hydrochloric Acid in Densely ...	AM Tomasoni, A Soussi, R Sacile	2023	ACS Publications Chemical Health & Safety 2023 30 (4), 165-172. DOI: 10.1021/acs.chas.2c00095
11	An ICT-Based Decision Support System (DSS) for the Safety Transport of Dangerous Goods along the Liguria and Tuscany Mediterranean Coast	Soussi, A., Tomasoni, A.M., Zero, E., Sacile, R.	2023	In: Nagar, A.K., Singh Jat, D., Mishra, D.K., Joshi, A. (eds) Intelligent Sustainable Systems. Lecture Notes in Networks and Systems, vol 579, pp. 629-638. Springer, Singapore. https://doi.org/10.1007/978-981-19-7663-6_59
12	ICT based System to Monitor Hazmat Road Transportation and a Rapid Mapping Technique for Accident Scenarios	Tomasoni, A.M., Bersani, C., Sacile, R., Zero, E.	2022	Chemical Engineering Transactions
13	Oil spill trajectory: A comparison between 2D and 3D models	Soussi, A., Bersani, C., Tomasoni, A.M.	2021	WIT Transactions on the Built Environment

14	Emergency resource allocation problem: Hazardous material accident scenarios in the ports of Northern Italy	Bersani, C., Sacile, R., Tomasoni, A.M., Zero, E.	2020	2020 28th Mediterranean Conference on Control and Automation, MED 2020
15	Risk averse routing of hazardous materials with scheduled delays	Bersani, C., Minciardi, R., Tomasoni, A.M., Sacile, R.	2010	NATO Science for Peace and Security Series C: Environmental Security
16	Accident occurrence evaluation in the pipeline transport of dangerous goods	Bersani, C., Citro, L., Gagliardi, R.V., Sacile, R., Tomasoni, A.M.	2010	Chemical Engineering Transactions
17	Risk evaluation of real-time accident scenarios in the transport of hazardous material on road	Tomasoni, A.M., Garbolino, E., Rovatti, M., Sacile, R.	2010	Management of Environmental Quality: An International Journal
18	Models and methods of risk assessment and control in dangerous goods transportation (DGT) systems, using innovative information and communication technologies	Tomasoni, Angela Maria	2010	Chemical Sciences - École Nationale Supérieure des Mines de Paris; Università degli Studi di Genova - Italie, 2010. English. NNT:2010ENMP1703 HAL Id: pastel-00006223
19	Optimal control of hazardous materials traffic flow: The case of transport through a critical infrastructure	Bersani, C., Minciardi, R., Robba, M., Sacile, R., Tomasoni, A.M.	2009	ICINCO 2009 - 6th International Conference on Informatics in Control, Automation and Robotics, Proceedings
20	An integrated system for the hazardous materials transport in a sub-regional scale area	Bersani, C., Minciardi, R., Sacile, R., Tomasoni, A.M., Trasforini, E.	2008	Advanced Technologies and Methodologies for Risk Management in the Global Transport of Dangerous Goods
21	Assessment of risk and accident impacts related to dangerous goods transport in a dense urbanized area	Garbolino, E., Tomasoni, A.M., Trasforini E.	2008	Advanced Technologies and Methodologies for Risk Management in the Global Transport of Dangerous Goods
22	A distributed information system prototype to detect and monitor the Hazardous Material Transport on the road in the territory of Nice-Imperia-Ventimiglia	Benza, M., Bersani, C., Garbolino, E., (...), Tomasoni, A., Trasforini, E.	2007	WIT Transactions on the Built Environment
23	A Spatial Decision Support System prototype for assessing road HAZMAT accident impacts on the population in a dense urban area: a case study of the city of Nice, French Riviera	Garbolino, E., Sacile, R., Olampi, S., Bersani, C., Tomasoni, A., Alexandre, N., Trasforini, E., Benza, M., Giglio, D.	2007	Proceedings of the 8th International Conference of Chemical and Process Engineering
24	Towards a Decision Support System for Real Time Risk Assessment of Hazardous Material Transport on Road	D. Giglio, R. Minciardi, D. Pizzorni, R. Rudari, R. Sacile, A. Tomasoni, E. Trasforini	2004	International Congress on Environmental Modelling and Software. 95.
25	Un sistema di supporto alla decisione per decisori pubblici: il “Sistema Comune per la Sicurezza” del progetto Interreg Marittimo IT-FR LOSE+	A. M. Tomasoni, R. Sacile	2022	Conferenza ASITA 2022

26	Location-Based Services e Web Mapping: il “Sistema Comune per la Sicurezza” mappe di densità e simulazione di scenario in mare del progetto Interreg Marittimo IT-FR LOSE+	A. M. Tomasoni, F. Grillo	2022	Conferenza ASITA 2022
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Tomasoni, Angela Maria

Scopus ID: 23487283400

ORCID : [0000-0002-2097-3964](#)

The undersigned declares that the information provided in this CV is accurate and truthful. I authorize the processing of my personal data pursuant to the Decreto Legislativo 30 giugno 2003, n. 196, art. 13 "Codice in materia di protezione dei dati personali" e ss.mm.ii.

The undersigned further declares to be informed, pursuant to and for the purposes of Article 13 of Legislative Decree No. 196 of June 30, 2003, that the personal data collected will be processed by the University of Genoa pursuant to the relevant Regulations, pursuant to Regional Decrees Nos. 198 of July 11, 2001 and 165 of April 12, 2006.

Genoa, 06/09/2025

Il dichiarante



ATTACHEMENTS

Seguono Allegati da n.1 a n. 4:

Allegato 1 – Titolo in Dottore di ricerca Unige in co-tutela di tesi con Ecole des Mines di Parigi

Allegato 2 – Titolo di Diploma di Laurea Specialistica (LS) in Ingegneria dell'Ambiente, Gestione dei Rischi Naturali ed Industriali, Unige

Allegato 3 – Titolo di Diploma di Laurea Triennale in Ingegneria dell'Ambiente, (CL3), Unige.

Allegato 4 -Titolo di Docente in base al percorso formativo per l'acquisizione di 24 cfu ex D.M. 616/2017 (D. Lgs. 59/2017) presso Unige.

ALLEGATI

Allegato 1 – Titolo in Dottore di ricerca Unige in co-tutela



Repubblica Italiana

UNIVERSITÀ DEGLI STUDI DI GENOVA

N. 2392

In Nome della Legge

Noi Prof. Giacomo Deferrari

Rettore dell'Università degli Studi di Genova

Veduto il Decreto Ministeriale 30 aprile 1999, n. 224

Veduto il giudizio dell'esame finale superato il giorno 21 Aprile 2010 da

Tomasoni dr. Angela Maria

Nata a Genova

l' 8 Gennaio 1980

le conferiamo il

titolo di Dottore di Ricerca in

**MONITORAGGIO DEI SISTEMI E
GESTIONE DEI RISCHI AMBIENTALI**

**Scuola di Dottorato di Scienze e Tecnologie
per l'Informazione e la Conoscenza**

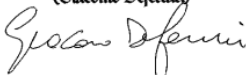
conseguito in cotutela con l'Ecole Nationale Supérieure des Mines de Paris (ENSMSP)

Il presente diploma viene rilasciato a tutti gli effetti di legge.

Dal palazzo dell'Università di Genova, 30 Aprile 2010

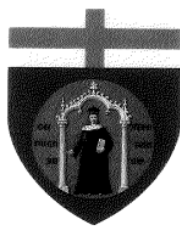
Il Rettore

(Giacomo Deferrari)



Imposta di bollo assolta in modo virtuale giusta autorizzazione dell'intendenza di finanza di Genova n. 3/12242 del 3 maggio 1993

Allegato 2 – Titolo di Diploma di Laurea Specialistica (LS) in Ingegneria dell'Ambiente, Gestione dei Rischi Naturali ed Industriali, Unige



Repubblica Italiana

UNIVERSITÀ DEGLI STUDI DI GENOVA

N. 195

In Nome della Legge

Noi Prof. Gaetano Bignardi

Rettore dell'Università degli Studi di Genova

Veduti gli attestati degli studi compiuti da

Tomasoni Angela Maria

nata a Genova

l' 8 Gennaio 1980

Veduto il risultato dell'esame di laurea specialistica da Lei superato con lode in questa Università il giorno 25 Luglio 2006, le conferiamo la **Laurea Specialistica in Ingegneria dell'Ambiente (Gestione dei Rischi Naturali e Industriali)**

(Classe 38/S – Classe delle Lauree Specialistiche in Ingegneria per l'Ambiente e il Territorio)

Il presente diploma viene rilasciato a tutti gli effetti di legge.

Dal palazzo dell'Università di Genova, 28 Luglio 2006

Il Rettore

(Gaetano Bignardi)

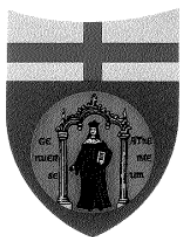
Il Direttore Amministrativo

(Walter Bodrato)

Il Preside della Facoltà

(Gianni Venturini)

Imposta di bollo assolta in modo virtuale giusta autorizzazione dell'Intendenza di finanza di Genova n. 3/12242 del 3 Maggio 1993



Repubblica Italiana

UNIVERSITÀ DEGLI STUDI DI GENOVA

N. 303

In Nome della Legge

Noi Prof. Sandro Pontremoli

Rettore dell'Università degli Studi di Genova

Veduti gli attestati degli studi compiuti da

Tomasoni Angela Maria

nata a Genova

l'8 Gennaio 1980

**Veduto il risultato dell'esame di laurea da Lei superato
in questa Università il giorno 21 Ottobre 2003, le conferiamo la**

Laurea in Ingegneria dell'Ambiente

(Classe 8 - Classe delle Lauree in Ingegneria Civile e Ambientale)

Il presente diploma viene rilasciato a tutti gli effetti di legge.

Dal Palazzo dell'Università di Genova, 31 Ottobre 2003

Il Rettore

(Sandro Pontremoli)

**Il Direttore Amministrativo
(Giuseppe Aceti)**

Il Preside della Facoltà

(Gianni Votna33a)

AUTOCERTIFICAZIONE ESAMI
(Art. 46 D.P.R. 28.12.2000, n. 445)

Matricola: 2360007

La sottoscritta **ANGELA MARIA TOMASONI** (codice fiscale **TMSNLM80A48D969F**)
nata il 08/01/1980 a GENOVA (GENOVA)
residente in FRANCESCO CRISPI, N. 14/13 17100 SAVONA (SAVONA)

dichiara di

1. essere stato iscritto negli anni accademici sotto elencati:

2017/2018 anno di corso 0 - percorso formativo 24 cfu in corso in percorso formativo per l'acquisizione di 24 cfu ex
d.m.616/2017 - Università Degli Studi Di Genova (classe) curriculum nessun indirizzo

2. aver superato i seguenti esami:

insegnamento	C.F.U.	esito	data	Tipologia	Ambito
a.a. 2017/2018					
METODOLOGIE E TECNOLOGIE DIDATTICHE (PER TUTTE LE CLASSI DI CONCORSO) - cod. 97224 (0)	6	ventisei	24/03/2018	OBBLIGATORIO	Ambito Disciplinare D (24 CFU D.M. 616/2017)
PEDAGOGIA, PEDAGOGIA SPECIALE E DIDATTICA DELL'INCLUSIONE (PER TUTTE LE CLASSI DI CONCORSO) - cod. 97206 (0)	6	ventiquattro	13/04/2018	OBBLIGATORIO	Ambito Disciplinare A (24 CFU D.M. 616/2017)
PSICOLOGIA (PER TUTTE LE CLASSI DI CONCORSO) - cod. 97217 (0)	6	venticinque	12/05/2018	OBBLIGATORIO	Ambito Disciplinare B (24 CFU D.M. 616/2017)
ANTROPOLOGIA (PER TUTTE LE CLASSI DI CONCORSO) - cod. 97221 (0)	6	ventuno	26/05/2018	OBBLIGATORIO	Ambito Disciplinare C (24 CFU D.M. 616/2017)

Media degli esami superati: 24/30 (Media aritmetica)

Totale crediti da acquisire: 24 Totale crediti acquisiti: 24

Tipologia	Ambito	Crediti da acquisire	Crediti acquisiti
OBBLIGATORIO	Ambito Disciplinare A (24 CFU D.M. 616/2017)	6	6
OBBLIGATORIO	Ambito Disciplinare B (24 CFU D.M. 616/2017)	6	6
OBBLIGATORIO	Ambito Disciplinare C (24 CFU D.M. 616/2017)	6	6
OBBLIGATORIO	Ambito Disciplinare D (24 CFU D.M. 616/2017)	6	6
Totale		24	24

Lo studente si dichiara edotto circa:

1. Le sanzioni penali previste dall'art.76 del D.P.R. 445/2000 per le ipotesi di falsità in atti e dichiarazioni mendaci ivi indicate;
2. Le sanzioni disciplinari previste dall'ordinamento dell'Università degli Studi di Genova;
3. La decadenza dai benefici eventualmente conseguenti al provvedimento emanato sulla base della dichiarazione non veritiera (art.75,D.P.R.445/2000).

Genova, 28/06/2018

pagina 1



Firma del dichiarante

Angelo Maria Mancini

N.B. La media così calcolata è valida ai soli fini dei concorsi e delle selezioni riservate agli studenti iscritti indette dall'Università degli Studi di Genova.