

ANGELA DENISE PERI

❖ EDUCATION

▪ UNIVERSITY OF GENOA – Department of Earth, Environment and Life Sciences (DISTAV)

RESEARCH FELLOW (Assegnista di ricerca) (15th July 2024 – Present)

Research thesis: “Circular economy and geomaterials. Reduction and reuse of rock wool waste from naval manufacturing”

Description: As part of a study applied to the reuse of rock wool from waste, scrap and naval production residue by applying the principles of Responsible Consumption and Production (SDG/Goal 12), the project aims to develop geopolymer-based innovative materials. The grantee will design and produce at laboratory scale new synthetic composites based on geopolymers (alkali-activated materials), declining their physical properties towards design applications

Scientific coordinator: Prof. Laura Gaggero (Vice-Rector for Research, University of Genoa)

Scientific disciplinary sector: GEO/09 Mineral Geological Resources and Mineralogic and Petrographic Applications for the Environment and Cultural Heritage

▪ UNIVERSITY OF GENOA – Department of Architecture and Design (DAD)

SUBJECT EXPERT (Cultore della materia) (November 2023 – Present)

Course: “PRODUCT DESIGN 2 (cod. 84647) - Prof. Arch. Massimo Musio-Sale - M.Sc. Product and Event Design

Course topic: Electric, urban vehicles

▪ UNIVERSITY OF GENOA – Department of Architecture and Design (DAD)

PHD DEGREE - Marine Science and Technologies - Curriculum in Naval and Nautical Design – XVI Cycle (1st November 2020 – 31st May 2024)

Research thesis: “Interior Design of Cruise Ships: a Smart Materials-Design Approach”

Supervisors: Prof. Arch. Massimo Sale-Musio

Co-supervisors: Prof. Ing. Antonio Da Forno, Prof. Arch. Massimo Corradi, Prof. Alessandro Bertirotti

Final mark: Excellent

▪ UNIVERSITY OF GENOA - Department of Naval Architecture (DITEN)

GRADUATION TO PROFESSIONAL ENGINEER (Esame di Stato) - Section A (30 July 2020)

Title: Naval Architect (Ingegnere Navale)

- **UNIVERSITY OF GENOA - Department of Naval Architecture (DITEN)**
MASTER DEGREE IN YACHT DESIGN – Corso di Laurea Magistrale in Ingegneria Nautica (24th March 2020)
Thesis: "Poseidon. An advanced design of an electric-hybrid solar catamaran for passenger transport"
Supervisors: Prof. Ing. Marco Ferrando, Prof. Ing. Antonio Da Forno, Prof. Arch Massimo Musio Sale
Final mark: 110 cum laude

- **UNIVERSITY OF GENOA - Department of Naval Architecture (DITEN)**
SUPPLEMENTARY YEAR AIMED AT THE PASSAGE TO THE MSC COURSE IN YACHT DESIGN
(September 2012 - November 2013)

- **UNIVERSITY OF GENOA - Department of Architecture and Design (DAD)**
BACHELOR DEGREE IN INDUSTRIAL DESIGN - YACHT AND SHIP DESIGN (27 March 2012)
Thesis: Athena: a 35-meters steel and aluminium yacht. Prefabrication in shipbuilding
Supervisor: Prof. Ing. Mario Grasso
Final Mark: 110/110

- **European Linguistic High School " Santa Marta" - Chiavari**
HIGH SCHOOL DIPLOMA (October 2003 - June 2008)
Final Mark: 100/100 (full marks)

❖ PUBLICATIONS

- **Peri, A. D. (2024). Interior Design of Cruise Ships: A Smart Materials-Driven Approach** [Doctorate Thesis]. Università degli Studi di Genova, Corso di Dottorato in Scienze e Tecnologie del Mare – Curriculum in Design Navale e Nautico, XXXVI Ciclo. Tutor: Prof. Arch. Massimo Musio-Sale. (334 pp.).

- **Peri, A. D. (2023). Smart Materials Finishing and Insulation Solutions applied to the Interior Design of a Cruise Ship Cabin.** *Seatific Journal, Vol. 3, Issue. 2.* Istanbul: Yıldız Technical University, 89-110. DOI: 10.14744/seatific.2023.0010. ISSN: 2792-0771 (online).

- **Peri, A. D. (2023) Smart Materials Finishing and Insulation Solutions applied to the Interior Design of a Cruise Ship Cabin.** In Ü. Güneş & A. D. Alkan (A cura di), *4th International Naval Architecture and Maritime Symposium. Sustainable Innovations & Nature-Based Solutions.* Istanbul: Yıldız Technical University, 827-846. ISBN: 978-975-461-615-6.

- **Peri, A. D. (2023). A Smart Materials Driven Approach to the Interior Design of Cruise Ships.** In E. Begovic (A cura di), *Proceedings of the 13th Symposium on High Speed Marine Vehicles.* Series: *Progress in Marine Science and Technology, Volume 7,* 201–212. Amsterdam: IOS Press. ISBN: 978-1-64368-442-0 (print), 978-1-64368-443-7 (online). DOI: 10.3233/PMST230027.

- **Arma, G., & Peri, A. D. (2022). The Inside Story of COVID-19 Pandemic on the Diamond Princess as the prime mover of Present and Future Ship Design Studies.** In V. Ruggiero & E. Rizzuto (A cura di), *Proceedings of NAV 2022: 20th International Conference on Ship & Maritime Research.* Series: *Progress in Marine Science and Technology, Volume 6,* 597–609. Amsterdam: IOS Press. ISBN: 978-1-64368-296-9 (print), 978-1-64368-297-6 (online). DOI: 10.3233/PMST220071.

- **Peri, A. D., Musio-Sale, M. & Ruggiero, V. (2022). How COVID-19 Has Been Affecting the Overall Cruise Ship Design Paradigm.** In V. Ruggiero & E. Rizzuto (A cura di), *Proceedings of NAV 2022: 20th International Conference on Ship & Maritime Research.* Series: *Progress in Marine Science and Technology, Volume 6,* 610–621. Amsterdam: IOS Press. ISBN: 978-1-64368-296-9 (print), 978-1-64368-297-6 (online). DOI: 10.3233/PMST220072.

- **Bertirotti, A., Musio-Sale, M., Peri, A.D. & Zignego, M.I. (2022). Definition of design guidelines applicable to the design of Cruise Ships in the post Covid-19 era, with particular reference to smart materials and contactless technologies.** In Pandemic cruise ship design, from sea to town. In G. Pellegrini & S. Eliche (A cura di), *De-Sign: Environment Landscape City 2021. Venice Biennale Resilient Communities. Conference proceedings*. Roma: Aracne, 63-80. ISBN: 979-12-218-0495-9 (print), 979-12-218-0496-6 (online).
- **De Angelis, C., & Peri, A. D. (2022). Environment and artifice: how the combination of design and technology contributes to the reconstruction of biological connections.** In P. Califano (A cura di), *Exploring Tomás Maldonado*, 151–167. Milano: Fondazione Giangiacomo Feltrinelli. ISBN: 978-88-6835-458-9.
- **Cavallin, M., & Peri, A. D. (2022). Smart materials e Design Sistemico. Verso la definizione di un nuovo paradigma progettuale.** *GUD (Genova University Design Magazine), 01_2022 | Esecuzioni*. Genova: Stefano Termanini Editore, 78–85. ISSN: 1720-075X.
- **Arma, G., Bertirotti, A., Musio-Sale, M., Peri, A.D. & Zignego, M.I. (2021). Learning from emergency. The inside story of the Diamond Princess.** In *MUGAZINE, 03_2021 | Learning from emergency*. Genova: GUP – Genova University Press, 10-19. ISSN: 2612-1964 (print), 2724-1580 (online).
- **Bertirotti, A. & Peri, A.D. (2020). Vivere l'intimità: per una progettazione delle differenze sensoriali.** *GUD (Genova University Design Magazine), GUD 01_2020 | Conclusus*. Genova: Stefano Termanini Editore, 183-194. ISSN: 1720-075X.

❖ TEACHING ACTIVITIES

- **UNIVERSITY OF GENOA - Department of Civil, Chemical and Environmental Engineering (DICCA)**

ADJUNCT PROFESSOR (Professore a Contratto) - Elementi di Disegno Industriale per le Professioni Tecniche (cod. 107804) B.Sc. Industrial Technologies (November 2023-Present, 24 Hours)

ADJUNCT PROFESSOR (Professore a Contratto) - Laboratorio di Disegno Tecnico 2D e 3D (cod. 108382) B.Sc. Industrial Technologies (November 2023-Present, 48 Hours)

- **UNIVERSITY OF GENOA - Department of Architecture and Design (DAD), Department of Naval Architecture (DITEN) – B.Sc. and M.Sc. Naval and Nautical Design and Engineering**

PROFESSOR - Academic Course - Operations Management. An Integrated Approach For Designers And Naval Architects (May 2024, 16 hours)

Topics: FMEA analysis, Ship Design, Operations Management, Time Horizons, Material Requirements Planning, Manufacturing Resource Planning, Finite and Infinite Capacity Scheduling, Deming Cycle, Processing cycle, Failure Mode and Effects Analysis, Inventory Management, Robust Design, Quality Design, Quality Engineering, Design of Experiments (DOE), Toyota Production System (TPS), Quality Function Development (QFD), Business Intelligence

PROFESSOR - Academic Course - Ship Project Management and Maritime Leadership B.Sc. and M.Sc. Naval and nautical design and engineering - (November 2022-January 2023, 24 hours)

Topics: FMEA analysis, Ship Design, Project Management, Time Horizons, Operations Management, Material Requirements Planning, Manufacturing Resource Planning, Finite and Infinite Capacity Scheduling, Deming Cycle, Processing cycle, Failure Mode and Effects Analysis, Inventory Management, Transactional Analysis, Situational Leadership Theory

PROFESSOR – Academic Course - Analysis of Risk Factors and Definition of Design Techniques Applicable to the Naval and Nautical Field in a Post Covid-19 Perspective (November-December 2021, 16 Hours)

Topics: Re-design of in/out spaces, people flow management, High-efficiency HVAC systems (design and sizing), primary routes of virus transmission, Covid-19 persistency on surfaces, Active and passive air sanitizing solutions, smart materials and technologies; lighting system design; FMEA analysis

▪ **UNIVERSITY OF GENOA – DEPARTMENT OF ARCHITECTURE AND DESIGN (DAD)**

DIDACTIC TUTOR - Students with DSA, disability or other special educational needs (AY 2020-21)

❖ **SPEAKER AT CONFERENCES**

- **HSMV - 13th Symposium on High Speed Marine Vehicles** (23-25 October 2023- Naples)
A Smart Materials Driven Approach to the Interior Design of Cruise Ships
Author and speaker: Angela Denise Peri
- **INT-NAM 2023 - 4th International Naval Architecture and Maritime Symposium** (11-13 October 2023 - Istanbul)
Smart Materials Finishing and Insulation Solutions applied to the Interior Design of a Cruise Ship Cabin
Author and speaker: Angela Denise Peri
Paper selected for publication on International Seatific Journal - Engineering Research Article
- **NAV 2022 - THE 20TH INTERNATIONAL CONFERENCE ON SHIPS AND MARITIME RESEARCH** (15-17 June 2022, Genova – La Spezia)
The Inside Story Of Covid-19 Pandemic on the Diamond Princess as the prime mover of present and future ship design studies
Authors: Gennaro Arma, Angela Denise Peri
How COVID-19 has been affecting the overall cruise ship design paradigm
Authors: Massimo Musio-Sale, Angela Denise Peri, Valerio Ruggiero
Papers presented as unique speaker

❖ **CONFERENCES AND SEMINARS HELD AS SPEAKER AND ORGANIZER**

- **Poseidon. Advanced design of a catamaran in dual hybrid and electric configuration for passengers transport** (La Spezia, 26 June 2024)
Conference: “Trasporto green via mare: soluzioni innovative per il Golfo dei Poeti e la Riviera di Levante” organised by Atena La Spezia, DLTM (Distretto Ligure delle Tecnologie Marine) and Promostudi (University of Genoa) – Speaker, Organizer Committee and Chairman
- **A Smart Materials - Driven Design Approach** (Genova, 20 May 2024)
Seminar held for B.Sc. Course Materiali E Componenti Per Il Design (cod.56097) Prof. Claudia Porfirione. Bachelor Degree - Product and Communication Design. Department of Architecture and Design (DAD), University of Genoa
- **L’Offerta Universitaria e le Lauree Professionalizzanti** (La Spezia, 12 March 2024)
Conference: “La formazione del personale, importante sfida per il successo dell’industria navale e nautica” organised by Atena La Spezia, DLTM (Distretto Ligure delle Tecnologie Marine) and Promostudi (University of Genoa) – Speaker, Organizer Committee

- **The Inside Story Of Covid-19 Pandemic on the Diamond Princess as the prime mover of present and future ship design studies** (La Spezia, 14 December 2022)
Closing conference of the Academic Course “Ship Project Management and Maritime Leadership”, organized by Atena, Promostudi and University of Genoa – Speaker, Organizer
- **Definizione di linee guida progettuali applicabili alla progettazione di navi da crociera in epoca post Covid-19, con particolare riferimento a materiali e tecnologie smart** (6 May 2021)
Conference: “L’impatto dell’emergenza sanitaria sull’industria crocieristica e sui progetti delle future navi da crociera” organised by Atena La Spezia, DLTM (Distretto Ligure delle Tecnologie Marine) and Seafuture – Speaker, Organizing Committee
- **OPERATIONS MANAGEMENT. Management software and Business Intelligence in the 4.0 Industry. A focus on: Toyota Production System** (17 December 2020)
Operations Management seminar. Bachelor and Master Degree courses in Naval and Nautical Design and Engineering
- **OPERATIONS MANAGEMENT. Management software, essential tools for a competitive company** (7 December 2020)
Operations Management seminar. B.Sc. and M.Sc. Naval and Nautical Design and Engineering
- **BLOCKCHAIN, IL FUTURO TRA LE MANI. Case study di applicazione pratica presso Mearsk, leader mondiale nel settore shipping** (25 November 2020)
Interdisciplinary seminar belonging to the Anthropology of mind and Operations management fields. B.Sc. and M.Sc. Naval and Nautical Design and Engineering
- **LA SOSTENIBILITA' NAUTICA. Dalla mobilità ai materiali: l'attenzione a sistemi smart e sostenibili –** (2 October 2020)
Conference: “Sostenibilità’. Azioni per la cura della Terra, nostra casa comune”. Festival Dello Sviluppo Sostenibile 2020 - Speaker

❖ TEACHING ASSISTANT FOR THE FOLLOWING UNIVERSITY COURSES

- **OPERATIONS MANAGEMENT** (cod. 84684)
Prof. Ing. Antonio Da Forno - M.Sc. Yacht Design (2017 – Present)
Role: Taking lectures about Company structure, Production management systems, planning time horizons Management Software, Deming Cycle, BOM, MRP, Infinite and Finite Capacity Scheduling, ERP, Business Intelligence, Taguchi & Quality Engineering, Robust Design, Design of Experiments, Quality Function Deployment, Lean Manufacturing, Total Quality Management, Internet of Things
- **PRINCIPI DI STATICA E GEOMETRIA DEI GALLEGGIANTI** (cod. 108345)
Prof. Paolo Gemelli - B.Sc. Nautical and Product Design (2023 – Present)
Role: Tutor, lessons about hull design
- **ARCHITETTURA NAVALE** (cod. 108388)
Prof. Paolo Gemelli - B.Sc. Nautical and Product Design (2023 – Present)
Role: Tutor, lessons about propeller design
- **ANTROPOLOGIA PER IL DESIGN (cod. 106946)** (2023 – Present)
SOCIOLOGIA GENERALE E METODOLOGIA DELL'INDAGINE SOCIALE (cod. 98935)
Prof. Alessandro Bertirotti - B.Sc. Nautical and Product Design (2020 – 2023)
Role: Interdisciplinary lessons about connections between anthropology of mind and project management

- **SCIENZA DELLE COSTRUZIONI (cod. 98937)**
Prof. Arch. Massimo Corradi – B.Sc. Nautical and Product Design (2020- Present)
Role: Exercise module teacher
- **LABORATORIO DI DESIGN 2 (cod. 84647)**
Prof. Arch. Massimo Musio-Sale - M.Sc. Product and Event Design (2021- Present)
Course topic: Electric, urban vehicles
Role: Project reviewer
- **YACHT DESIGN STUDIO WORKSHOP B (cod. 65422)**
Prof. Arch. Massimo Musio-Sale, Prof. Arch. Mario Ivan Zignego - M.Sc. Yacht Design, M.Sc. Naval and Nautical Design (2020 – Present)
Course topic: Cruise ship design (AY 2020-21, 2021-22), Superyacht for Charter Use (AY 2022-23, 2023-24)
Role: Project reviewer
- **SUBJECT DESIGN LAB**
Prof. Arch. Massimo Musio-Sale, Prof. Arch. Niccolo' Casiddu - Double Degree Program UNIGE-BUCT (Beijing University of Chemical Technology) - B.Sc. Product and Communication Design (2021 – Present)
Course topic: Electric, urban vehicles
Role: Project reviewer. Lessons focused on electric vehicles design and applied technologies, 3D modeling and rendering
- **ELEMENTI DI DISEGNO INDUSTRIALE PER LE PROFESSIONI TECNICHE (cod.107804)**
Prof. Arch. Massimo Musio-Sale - B.Sc. Industrial Technologies (2023 – Present)
Course topic: Industrial Design
Role: Project reviewer. Lessons focused on geometric, morphological, normative and technological bases required to understand and design an industrial product

❖ ATTENDED COURSES AND SEMINARS

- **PROJECT MANAGEMENT**
Prof. Ing. Pietro D. Patrone (UniGe Architecture and Design Department - 48 Hours Professional Course – AY 2022-23)
- **An Overview Of IMO Legislation For Ship Design, Construction and Operations On Different Ship Types**
Prof. Ing. Cesare Mario Rizzo – B.Sc. Ship Structures and Strength course (7th April 2021 - online seminar)
- **The Resilience Assessment of Complex Systems as a Multidisciplinary Approach For The Prevention And Disaster Management Course**
PhD program in Security, Risk and Vulnerability (AY 2021-22)
- **Risk Management Course**
PhD program in Security, Risk and Vulnerability (AY 2021-22)
- **Course on Classification and Certification of Yachts** (AY 2014-15)
Lloyd's Register

❖ INTERNSHIP

- **FINCANTIERI SPA - NAVAL DIVISION RIVA TRIGOSO (GE)** (November 2011 - February 2012)
Hull Design Office

❖ AWARDS

- **BANDO INTERNAZIONALE PER LA SELEZIONE DI STUDI E PROGETTI DI BARCHE – NAVIGAZIONE SOSTENIBILE - Salone Nautico di Venezia (2021)**
M.Sc. Thesis project Poseidon is among the 16 Projects selected and exposed during the exhibition
- **SEAFUTURE AWARDS 2021**
M.Sc. Thesis project Poseidon is among the seven finalist candidates. The project has been awarded by The Italian Minister of Economic Development Giancarlo Giorgetti

❖ LANGUAGE SKILLS

- **ITALIAN** Mother tongue
- **ENGLISH** Very good
- **GERMAN** Good (Goethe-Zertifikat B1 - Final mark: sehr gut)
- **FRENCH** Good

❖ IT SKILLS

- Rhinoceros, Vray, Maxsurf Resistance, Msc Nastran & Patran, Hydrocomp Navcad, Hydrocomp PropExpert, Adobe Photoshop, Microsoft Office Suite

❖ DRIVING LICENCE

- Driving Licence B

❖ MEMBERSHIP

- **Atena** - Associazione di tecnica navale, La Spezia (2017 – Present) Vice President since 12 December 2023
- **SID** – Società Italiana di Design, Torino (2022 – Present)
- **IAM** – Istruttori Associati Marittimi, Naples (2022 – Present)

❖ PERSONAL INTERESTS

- Photography, psychology, philosophy, contemporary history, art history

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