

ADVANCED TRAINING FOR SHIPWRIGHTS ANCIENT TRADITION AND NEW TECHNOLOGIES

The training course aims to raise awareness and expertise on this ancient craftsmanship to all those people who want to increase their skills on the subject of building and working wooden boats, potential future shipwrights and enthusiasts in the field.

Participation in the course does not require any prerequisites, as the teaching is preparatory to qualification as a shipwright and does not qualify for the profession.



VISION AND MISSION

Shipwrighting is more than a job: an art. For thousands of years, Shipwrights have been shaping wood, crafting it and transforming it into hulls capable of sailing the waters. This craft, covered by Article 117 of the Navigation Code, is unfortunately disappearing, leading to the gradual loss of specific professional knowledge and traditional expertise. The growing gap of these professional skills and, more generally, of new workers in this sectorial craftsmanship represents an element of difficulty in productions and also, and above all, cultural depletion to society as a whole. **The craftsmanship of the shipwright, however, has a future: protecting an important fleet of vintage boats in need of frequent restoration, responding to the growing succession of wooden boat enthusiasts, and contributing to the evolution of yacht interior design.** Based on these considerations, **the training course aims to encourage the approach of young people - but not exclusively - to work activities pertaining to the knowledge and practices of the Shipwright** and, more generally, to naval carpentry and boating, with a driven-eye towards new technologies applicable to them.

FORMATIVE PLAN

Course module	Topic
Introduction	Introduction to the training course: vision and mission, presentation of project stakeholders Teaching methodology and individual practice
1) Historical and economic background of the boats	History and tradition of boating in the Adriatic areas Types of wooden sailing and motor boats Boating plans
2) The construction materials	Types of wood for boating Traditional and historical woodwork New materials with high ecological sustainability (and the European strategic sustainability goals)
3) From technique to practice with the wooden boat restoration part	Insights of wooden boat design. The merits of choosing wood construction. The design of the boat - reading and understanding boating plans Restoration of wooden boats (conservative vs. philological restoration) Wooden boat repairs Bonding systems Inspection and determination of damaged and critical parts Evaluation of restoration interventions
4) New technologies (technical & technological skills)	New software for refit design Use of augmented and virtual reality visors - the case of the Galeb The enabling technologies and the European strategic goals of digitization and sustainability Product innovation: from idea to prototype to product and process engineering Eco-design: design for disassembling and design for dismantling Innovative materials: technology transfer and sustainability Additive manufacturing: what it is and the main advantages in adopting this technology in the product innovation journey
5) Communicating and living the tradition	Events and sport marketing of ancient boats

LECTURERS AND MAIN ENTITIES INVOLVED

Lecturers

Franco Scolari - Director of Polo Tecnologico Alto Adriatico.

Giovanni Francesco Scolari is an Electrical Engineer from Milan Polytechnic, with a Master's degree in Business Administration from Bocconi. He was Professor of Information Technology for five years at the University of Udine. He took the ICT professional development path at Accenture, Montedison and Electrolux, from programmer to IT director. With 40 years of management experience, he has been CEO of medium-sized manufacturing companies as well as in Electrolux; later, he was director of international business units in Pirelli and general manager of major multiservice companies also listed on the stock exchange. Finally, Franco Scolari is a member of numerous institutions such as EIT, European Institute of Technology, ITS Kennedy for digital training, Diex for Digital Transformation. He is a Business Angel of IAG (Italian Angels for Growth) and has invested in a dozen Hitech start-ups.

Alessandra Gruppi – President of Strategia&Controllo Srl

With a degree in Economics and Banking, an MBA in International Business, a master's degree in Business Coaching and NLP, she deals with planning and strategic control, start-up and business coaching. She is a lecturer in strategic marketing at MIB School of Management and collaborates as a trainer with other business schools and institutions internationally. She is a Cepas BV 001 Certified Servitization Manager and she is also an Innovation Manager registered in the MISE list, Certification of managerial skills issued by RINA SERVICES S.p.A, certificate CCM-412/19. Mentor of PID (Punti Impresa Digitali) - Digital Enterprise Points for the Chambers of Commerce of Italy, and Chairwoman and founding member of Strategia&Controllo Srl.

Cristina Fonzar – Marketing & Communication Consultant Strategia&Controllo Srl

Cristina Fonzar is an expert in operational and strategic marketing, luxury goods marketing, communication and P.R., event organization and management, new product launch and development. She collaborates with leading Business Schools. She works also as Communication and Events Manager for prestigious names in different sectors, from yachting to automotive, from furniture to beverage, involved in various marketing, start-up, business development and staff training projects for companies in different sectors.

Federico Lenardon - Shipwright of the shipyard Alto Adriatico Custom Srl

Passionate about the sea and traditional boats since he was a boy, Federico Lenardon is a shipwright, designer and builder. He was the only student admitted to the table of Carlo Sciarrelli, the master of classic hull design who passed away in 2006, of whom he has become a historical memory and continuer of his work.

Odilo Simonit - shipwright of the shipyard Alto Adriatico Custom Srl

Odilo Simonit founded the Alto Adriatico Custom shipyard in 2006 after a decade of experience at the Hannibal shipyard in Monfalcone. He is a big fan of regattas, in which he successfully participates. He obtained the Maritime Professional Title of Master Shipwright in 2011 and worked in the Hannibal Navy shipyard (between 1978-1999) in the Panzano dock in Monfalcone, as head of the carpentry department, for major renovations of wooden boats. He has made his passion his work, acquiring a certain specialty in the activities of restoration of old wooden boats and sailing yachts and of the construction of new boats following the approach of other masters and international level

Alessio Visintin - Project Manager of SimCoVR Srl

Alessio Visintin is Project Manager and Team Leader with more than 20 years' experience in 3D graphics, virtual reality and naval/yacht design. For over ten years he has been working at SimCoVR, a reality founded in 1995 by a group of engineers providing professional engineering services using Virtual Reality and Augmented Reality technologies. He holds the role of Project Manager and Team Leader, managing projects in marine, immersive and augmented virtual reality.

Luigi Valan - Head of FAB.LAB FVG of Friuli Innovazione

Luigi Valan works in the Projects and Technology Transfer Office of the INNOVA FVG Consortium, a research organization of the Autonomous Region of Friuli Venezia-Giulia that manages the Technology and Science Park in Amaro (UD). He is responsible for the Maniago (PN) office and the INNOVA FVG FabLab.

Institutions



The Municipality of Monfalcone participates as a partner in the project "FRAMESPORT". Framework initiative fostering the sustainable development of Adriatic-Ionian small ports" carried out within the framework of the Interreg Italy-Croatia Program; in this context a pilot action promoted primarily in the territory of Monfalcone but having cross-border spillover, aimed at the enhancement of ancient crafts, such as that of the shipwright. The project, of which the present course is a part, is aimed at promoting the sustainable development of small Adriatic-Ionian ports.



Alto Adriatico Custom in Monfalcone is a "boutique" of craftsmen founded by Odilo Simonit and Paolo Skabar that, since 2006, has been dedicated to the restoration and refitting of vintage, classic and traditional boats. The shipyard is at the forefront of the preservation and recovery of this valuable professionalism: as part of the European project FRAMESPORT of the Interreg Italy-Croatia program, it is participating in the pilot action "Crafts and new technologies" in strength collaboration with the Polo Tecnologico Alto Adriatico in Pordenone, which aims to strengthen the operational capacities of sailing and nautical centers through professional updating and technology exchange.



Polo Tecnologico Alto Adriatico in Pordenone is a Science and Technology Park located in one of the 15 most industrialized provinces in Italy, where companies can develop entrepreneurial challenges based on innovation, connecting to a network of expertise from universities, other Science Parks and Italian and international Research Centers. It has been a MISE-certified Innovative Startup Incubator since 2013 and, in 2018, received the first certification in Italy as an Industry 4.0 Technology Transfer Center. Polo Tecnologico Alto Adriatico is also a coordinator and partner of EU-funded projects on the topics of technological innovation and sustainable development, thanks to which it has developed over the years a strong network consisting of national and international bodies and institutions.

The Training course for Shipwrights is promoted by the Municipality of Monfalcone partner of the FRAMESPORT INTERREG ITALY-CROATIA project, which is performing coordinated initiatives for an integrated and sustainable development of small ports in a strategic perspective, thus allowing them to be pro-active socio-economic drivers of the development in the Adriatic coasts. The cross-border pilot action will be performed in Monfalcone in strength collaboration with Polo Tecnologico Alto Adriatico of Pordenone and Alto Adriatico Custom of Monfalcone.

DURATION AND MODE OF FRUITION

Delivery period
mid-November / early December 2022
The final dates will be communicated via email

Hours: 21.5
Online Mode: 20 live streaming, 1.5 pre-recorded
Language: English

Teaching schedule: 10 weekly 2-hour lectures from 17:00 to 19:00. Any changes to the schedule may be applied and will be communicated well in advance.

REGISTRATION

Registration deadline:
by 2nd November 2022

Participation fee
none, the course is entirely free of charge.

Registration to the course
via the organizing secretariat to the email
maestridascia@poloaa.it



DURATA DEL PROGETTO
01/01/2020-31/12/2022



FESR
€ 6.068.007,96



BUDGET TOTALE
€ 7.138.832,90