

Ocean Race 2023

Unige at the Ocean Live Park in Alicante

Genova Pavillon, 11th January

The University of Genova organises a full-day presentations about the university international activities, research and knowledge transfer in the sea sector.

Program

10:30 Opening the presentations: Introducing the University of Genoa – *Prof. Paola Dameri e Marco Giovine*

10:50 University of Genova International Outlook – *Prof. Fulvio Mastrogiovanni, Deputy Rector for International relations*

11:10 Unige and the World: International Cooperation at the Univesity of Genova, with the University of Alicante – *Prof Dameri (Unige) and Prof. Rosa maria Martinez-Espinosa (University of Alicante)*

11:30 Ulyseus: the European University for the citizens of the future, with the University of Sevilla – *Prof. Alessio Tei (Unige) and prof. Carmen Varga (University of Sevilla)*

11:50 Research activities at University of Genova - Chair *Prof. Marco Giovine*

- PhD program in Marine Science and Technologies Curriculum – *prof. Claudio Ferrari*
- Design Master Training on sustainable micro-cars, road-tenders for The Genoa OCEAN RACE Grand Finale 2023 – *prof. Massimo Musio-Sale*
- The Language of the Ocean – *prof. Jacqueline Visconti*
- High-resolution modeling of wind and waves in the Mediterranean Sea: a reliable forecast tool for the Ocean Race Grand Finale – *dr. Andrea Lira Loarca*

LUNCH

15:00 Introduction of the Unige Sea Study Centre- *Chair prof. Marco Giovine*

*The Sea Study Centre encompasses all marine related disciplines, resulting in a collection of **highly specialised and multidisciplinary skills**. Here, more than 400 researchers carry out their teaching and research activity about the sea.*

15:30 Knowledge transfer at University of Genova: academic spin-offs – *Chair prof. Paola Dameri*

- Integrated power systems for sustainable vessels – IESolutions srl - *Ing. Fabio D'Agostino, partner and head of marine division*
- Marine Underwater Depuration System – MUDES srl – *Sergio Enrico Cantini – CEO*
- Waves, water and beauty – Accadermics srl – *Carla Villa, founder and CEO*
- Submarine geo-hazards associated with ocean currents for the design of deep-water engineering infrastructures (pipelines and cables) – Weather Water Sand - *Michele Bolla Pittaluga –President and Technical Director Geohazard*

SPIN_OFFS DI UNIGE

Nome e descrizione spinoff

MUDS srl - Marine Underwater Depuration System - MUDS represents the innovative and completely underwater urban waste purification system that does not generate waste sludge, energy-free, with no CO2 generation in its process, it allows to give sustainability to the urban wastewater of coastal cities at low cost both of construction and of management.

Nome di chi interverrà e ruolo in azienda

Sergio Enrico Cantini – CEO - sergio.cantini@depurazionemarinamuds.it

Tema che volete trattare

Presentation of the underwater purification system and its advantages in terms of greater sustainability, safety and cost-effectiveness. Illustrate its applicability in the Mediterranean Sea and similar marine ecosystems.

Nome e descrizione spinoff

IESolutions - engineering consultancy firm, accredited as Spin-Off of the University of Genoa, operating since 2005 in Information Technology applied to energy systems management, electrical systems for energy and hybrid generation and propulsion systems for the marine and yacht sector.

Nome di chi interverrà e ruolo in azienda

Ing. Fabio D'Agostino, partner and head of marine division fdagostino@iesolutions.it

Tema che volete trattare

Integrated power systems for sustainable vessels

Nome e descrizione spinoff

ACCADERMICA, Trasforma residui di scarto dell'industria agro-food in ingredienti cosmetici bioattivi, formulando prodotti cosmetici sostenibili.



Interverrà io CARLA VILLA, CeO e Fondatore dello Spin off Carla.villa@unige.it

L'intervento che intitolerei "Waves, water and beauty" descrive in modo semplice l'estrazione microonde delle "acque essenziali" ottenute dagli scarti agroalimentari in modo green e utilizzate come ingredienti cosmetici sostenibili

Nome e descrizione spinoff

Weather Water Sand provides an innovative set of numerical models and tools which allow hindcast and forecast of the entire spectrum of natural flows such as winds, coastal currents, rivers and submarine gravity flows

Nome di chi interverrà e ruolo in azienda

*Michele Bolla Pittaluga – info@weatherwatersand.com
President and Technical Director Geohazard*

Tema che volete trattare

General presentation of the services offered by the company with reference to (i) accurate weather prediction for wind energy industry, (ii) assessment of the submarine geo-hazards associated with ocean currents for the design of deep-water engineering infrastructures (pipelines and cables)

RICERCATORI DI UNIGE

Jacqueline Visconti: The Language of the Ocean

Jacqueline.visconti@unige.it

Professori ordinari

L-FIL-LET/12 - LINGUISTICA ITALIANA Dipartimento di italianistica,
romanistica, antichistica, arti e spettacolo – DIRAAS

Marie Curie Fellow at Reading University after a PhD in Italian linguistics at the University of Geneva, returned to Italia within the Ministry MIUR programme against brain-drain ('rientro dei cervelli'), Jacqueline Visconti is Full Professor in Italian linguistics at the University of Genoa and Honorary Research Fellow at the University of Birmingham.

Her research focuses on the study of languages for special purposes, in particular legal language, and on diachronic pragmatics. Since 2019 she is Principal Investigator of the large-scale project on the clarity of court proceedings (Ministero dell'Università e della Ricerca, PRIN Prot. 2017BSECYX) (2019-2023).

Consulting Editor of *Revue Romane*, Topic Editor of *Languages*, Marie Curie Alumna, DAAD Alumna, member of the Associazione per la storia della lingua italiana, the Philological Society and the International Pragmatics Association, Fellow of the Centro di diritto comparato e transnazionale, Jacqueline Visconti has been President of the Società internazionale di linguistica e filologia italiana .

Since 2012 she has been lecturing regularly for the Scuole di specializzazione delle Professioni Forensi (Genoa, Florence, Milan, Alessandria, Treviso) and the Scuola Superiore della Magistratura (Florence, Accademia della Crusca). In 2015 she was invited by Judge Antonio Tizzano for a research stage at the Court of Justice of the European Union.

From 2016 to 2018 she was an invited member of the Italian Ministry of Justice Commission on the conciseness and clarity of court proceedings (D.M. 28 July 2016).

Since 2017 she has been lecturing for the Master programme "La lingua del diritto" organized by the Senato della Repubblica.

Visiting scholar at Oxford (2005), Stanford (1999), Berkeley (2009), Reading (2011), she is regularly invited, also as a plenary speaker, at national and international conferences. Her latest book is published by the Accademia della Crusca: 'Testi giuridici: norme, sentenze, traduzione'.

As Vice-President of the Genoa University CeRTeM (Centre for Research in Multilingual Terminology) she will mention their current project on 'The Language of the Ocean', focusing, in a prospective collaboration with the Italian Academy of the Marina Mercantile in Genoa, on a multilingual glossary of terms and expressions connected with ships, sailing, shipping, seamanship and navigation on the sea.

Massimo Musio-Sale : "Design Master Training on sustainable micro-cars, road-tenders for The Genoa OCEAN RACE Grand Finale 2023".

Massimo.salemusio@unige.it

He is Academic full-professor of Industrial Design at the department Architecture and Design (dAD), Polytechnic school of the University of Genoa.

He is Chair at the Master's Degree of DESIGN PRODOTTO EVENTO in Genoa. Expiry October 31, 2025. He is former chairman of the Master's Degree program of DESIGN NAVALE E NAUTICO (inter-athenaeum UniGE-PoliMI) since October 31st, 2017.

He is member of the Board of Teachers of the PhD program in SCIENZE e TECNOLOGIE del MARE, while he is former member of the Board of ARCHITETTURA e DESIGN of Università degli Studi di Genova. He is chairman of

the working group UNI U-810505 for the rules on the treatment-to-end-life of pleasure boats, minor vessels and equipment.

He chairs the following courses:

- Studio workshop of Product Design 2 at the master's Degree of DESIGN PRODOTTO EVENTO of Genova.

- Studio workshop of Design 3 (Master degree of Design Navale e Nautico, Genova-La Spezia).

- Instructor at the Continuing Education Course of Yacht Design at POLI-design, consortium of Politecnico di Milano.

He is principal investigator of several research of water-sports and marine assets at the Department DSA.

He is visiting professor for the following universities:

FIU - Florida International University, Miami, USA.

WMG Warwick Manufacturing Group - Warwick University - UK.

ISD - Institut Supérieur de Design - Valenciennes, F.

Maltepe University, Istanbul, TR.

Jimei University, Xiamen, PR China.

BUCT University, Beijing, PR China.

He has been a researcher for the University of Cassino between 1990 to 2000 and for the Politecnico di Milano between 2000 and 2005. Designer of yachts and cruise vessels since 1980. He is a member of the Architects' Association of the Province of Genova.

Andrea Lira Loarca : High-resolution modeling of wind and waves in the Mediterranean Sea: a reliable forecast tool for the Ocean Race Grand Finale.

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Ricercatore al DICCA

Andrea is a coastal scientist and research fellow from the MeteOcean research group at the University of Genoa, Italy. She holds a Masters degree (MSc.) in Civil Engineering and MSc. in Environmental Engineering specializing in Coastal

Management from the University of Granada, Spain. She obtained, in 2019, a dual Ph.D. from the University of Granada, Spain, and the University of Parma, Italy. Her thesis focused on the study of the hydrodynamics of a WEC (wave energy converter) under the combined forcing of swell and sea waves for which she got an award, in 2022, from the University of Granada for the best thesis in the area of engineering and architecture. Nowadays, her research focuses on high-resolution modeling of meteocean conditions and climate change effects on waves and coastal impacts due to compound hazards. Andrea was recently awarded a Young Researchers Seal of Excellence grant from the Italian Ministry of University and Research to develop a project focusing on the enhanced assessment of future coastal multi-hazards and compound risks in the Mediterranean Sea. Andrea has participated in several international research projects and collaborates with researchers around the globe. She is the Guatemalan national coordinator for the Central American Early Career Ocean Professionals of the UN Ocean Decade. She has more than 35 contributions to top-tier coastal and climate science journals and international conferences.