

SPEAKERS' BIOS: 1st June Conferenza **The MOSE and others: sea-storm defenses around the world**

MODERATOR

Pierpaolo Campostrini



Pierpaolo Campostrini is Director General of **CORILA**, the scientific institution that coordinates and conducts research related to the Venice lagoon system.

He represents Italy in a number of European research committees, such as the JPI Oceans initiative and the Knowledge Hub on Sea Level Rise. He was founder of Lagunet and EUROMEDLAG, the Italian and European networks for research on lagoon systems.

He is coordinator of several European projects concerning sea and coasts, including "ecological restoration" and climate change adaptation actions.

He was from 2015 to 2020 Procurator of St. Mark's, responsible for the maintenance of the Basilica, and he received the Manageritalia Award for managerial excellence in scientific research.

Since 2000, he has dedicated his professional activity mainly to the preservation of his city and its natural, artistic and cultural heritage.

SESSION I - The MOSE laboratory

Elisabetta Spitz



Elisabetta Spitz has been the **Special Commissioner of MOSE** since December 2019. She arrived to the position with a solid knowledge of the state machinery and direct experience in the Venetian territory.

From December 2018 to 2021 she was appointed by the Bank of Italy, Commissario Straordinario of Sorgente SGR S.p.A., a private asset management company. From 2013 to 2018 she was CEO of Invimit, the company that deals with part of the public real estate assets.

In 2009 she became a consultant to the Port Authority for the formulation of the Management Plan for the Port of Venice and governance of procedures. From 2001 to 2008 she was director of the State Property Agency. In 1999 she was appointed by the Minister of the Treasury to the Expert Committee for the reform of the Ministry of Finance.

She holds a degree in architecture and is an expert urban planner.

Hermes Redi



Hermes Redi has been General Manager of the **Consorzio Venezia Nuova** since January 2023, the concessionaire of the Ministry of Infrastructure and Transport - Provveditorato per le Opere pubbliche per il Veneto, Trentino-Alto Adige, and Friuli Venezia Giulia for the implementation of interventions to safeguard Venice and its lagoon.

He was appointed by the Ministry of the Environment to design and implement the program to safeguard the coastline and the backwaters of wetlands of international importance in the metropolitan area of Cagliari. Former Vice President of the OECD (Organization for Economic Cooperation and Development) Natural Resources and Coastal Zone Management Group.

He founded the engineering firm HMR Srl in 1989, specializing in Construction Management and Safety Coordination during design and execution. Over time, continuing in DL and CSE activities, he expanded the

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company's activities to the design of river and marine hydraulic works and works related to the integrated cycle.

He graduated in hydraulic engineering from the University of Padua in the year 1979 at the Institute of Maritime Construction and Geotechnics, discussing a thesis on the regime and protection of shorelines.

Claudio Manganiello



Captain of the Navy (CP) Claudio Manganiello has been the **Chief of the Operations Department of the Venice Maritime Directorate** since Oct. 10, 2022.

From 2020 to 2022, he served as the Office Chief of the International Affairs Office of the General Command of the Port Authority Corps - Coast Guard.

During 2013/2019, he served the General Command of the Corps of Harbour Master's Office - Coast Guard, first as Head of General Planning Section and then, from 2017 to 2019, as Head of the 1st Plans Office of the 3rd Plans and Operations Department.

Since 2014, as an expert of the Proliferation Security Initiative under UN Security Council Resolution 1540, he has participated in numerous activities during operational expert meetings, exercises and as a lecturer.

SESSION II - The European and international experiences and the international Network

Marc Walraven



Marc Walraven is an expert in the management and operation of storm surge barriers, with experience in worldwide cooperation.

Since 2014, he has been Senior Advisor on storm surge barriers for the **Rijkswaterstaat**, the executive agency of the Ministry of Infrastructure and Water Management in the Netherlands, where he has worked since 1994. In this role he supports both the Rijkswaterstaat Council and employees in implementing the Knowledge Strategy for Tidal Barriers.

To support and reinforce this ambition, together with colleague Andy Batchelor of Thames Barrier in London, he developed I-STORM, the International Storm Barrier Network.

He studied at technical universities in the Netherlands ("Port Technology") and the United Kingdom ("M.Sc. International Transport").

Adam Robinson



Adam Robinson is a project leader for the **Environment Agency**, a fellow of the Institution of Civil Engineers, the inaugural ICE Carbon Champion, and, between 2014 and 2022, a project director for the development of the Boston Tidal Barrier construction and delivery program in the United Kingdom.

He is the deputy national director of the Environment Agency, responsible for standardization, integration and innovation of new ways of working, along with implementation of asset systems. He has a strong interest in zero carbon, technology application and data integration in infrastructure, and connected digital twins to evolve investments.

He is an active member of the international I-STORM network for storm surge barriers, the Atlantic Working Group for the development of the Practitioners Exchange for Effective Response to Sea Level Rise, and the ICE East Midlands Infrastructure Partnership.

Coraggio Maglio



Coraggio Maglio is vice president of **Water and Coastal Resources at DCCM in Houston, Texas**. He is highly skilled in the areas of civil engineering, public works projects, dredging, reclamation and mitigation, historic structure permitting, landscape design, water quality and sediment.

He has comprehensive experience in civil and coastal engineering, flood risk management, design, planning, project management, and construction inspection. A significant part of his experience is managing the permitting process through various agencies and jurisdictions, as well as a strong understanding of hydraulics, hydrology, coastal processes, freshwater and estuarine systems.

In addition to holding a patent for an incrementally regulated fluid control system, Maglio has directed or contributed to 18 publications and has been the recipient of major awards.

Jens Figlus



Jens Figlus is a civil/coastal engineer and associate professor at the **Department of Ocean Engineering at Texas A&M University**. He directs the Coastal Engineering Laboratory (CEL) at A&M's Galveston Campus and collaborates with the Center for Texas Beaches and Shores (CTBS) and the Institute for a Disaster Resilient Texas (IDRT).

Prior to joining Texas A&M University, he worked as a senior engineer and director of business development for the consulting firm Gauff Engineering Group. Since joining Texas A&M University in 2012, he has conducted engineering research and taught undergraduate and graduate students in coastal engineering and related topics. He is actively involved in research related to the storm surge barrier system planned for the Houston-Galveston metropolitan area in Texas.

He holds a five-year engineering degree from Karlsruhe Institute of Technology (KIT) in Germany with a specialization in environmental fluid mechanics. He holds a master's and doctoral degree in civil engineering with a specialization in coastal engineering from the University of Delaware.

Nobuyuki Tsuchiya



Nobuyuki Tsuchiya is currently an engineering specialist for the 2011 Great East Japan Earthquake Reconstruction Project. He has worked in the **Tokyo Metropolitan Government** for 43 years and has extensive experience in urban planning and engineering, including roads, bridges, river embankments, coastal protection, land redevelopment and rehabilitation, drainage and sewage, park planning, and disaster prevention.

With a focus on disaster prevention, he organized a summit for "Cities at 0 meters above sea level" in 2008 and formulated disaster prevention strategies to protect cities below mean sea level around the world.

CONCLUSIONS

Paolo Costa



Graduated Summa con Laude in Economics at Ca' Foscari University, he worked as a professor at the Universities of Venice Luav and Ca' Foscari, of which he was Rector from 1992 to 1996, the University of Padua, Reading (UK) and at New York University (USA).

He has held various positions in the public sector, including Minister of Public Works and Urban Areas, Mayor of Venice and member of the European Parliament. He was also Chairman of the Transport and Tourism Commission and a member of several international committees.

He is currently a board member of **SIPoTra** and director of the STC at the **Venice Foundation**. He is also a founding partner of **C+3C Sistemi e Strategie s.r.l.** and professor of Economics of Transport and Logistics (Ca' Foscari). He is also a columnist for Corriere del Veneto.