



ADVANCES AND DEVELOPMENTS
for Sailing Yacht Performance
Aerodynamics, hydrodynamics, design



MATERIALS AND TECHNOLOGIES
for sustainable yachting and sail racing
When two boats are at sea, it is race
(old seafaring proverb)



RACING STRATEGIES AND DEVELOPMENTS
Sail racing as technology driver

Francesco Caputo

President of "Sailing Tomorrow"
Advisory Committee

Nicola Bianco

Head of Department of
Industrial Engineering

Roberto Mottola di Amato

President of Circolo
del Remo e della Vela Italia



Carlo Bertorello

Sergio De Rosa

Antonio Lanzotti

Pier Luca Maffettone

Antonio Mancuso

Antonio Moccia

Piero Salatino



Friday May 13

Scuola politecnica e delle Scienze di
Base, Collegio di Ingegneria
(Fuorigrotta - Napoli)

Saturday May 14

Federico II Conference Center
(Via Partenope, Napoli)

After Conference

Tre Golfi Crew lunch at
CRVItalia and RYCC Savoia docks

SAILING TOMORROW

International Conference on Sail Racing Advances
Napoli, 13-14 May 2022

In the frame of 66th edition of "Regata dei Tre Golfi", The Department of Industrial Engineering of University of Naples Federico II with the patronage of "Circolo del Remo e Vela Italia"

Sail Racing Advances refer to circular and sustainable materials and technologies, new architectures and new performances of hydrofoil sailing boats and to the evolution of racing strategies. The objective of this conference is to focus the attention of public and private stakeholders on high-performance sailing as a key strategic area for our scientific community and our country.

The conference mode will be blended and could switch on line depending on Pandemic scenario

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contact : sailingtomorrow@unina.it

PRELIMINARY PROGRAM



WELCOME SESSION First step of conference

Friday May 13th 14:30 - 18:30

Aula Magna Massimilla SPSB -
Ingegneria, I piano, p.le Tecchio 80

15:00 registration

15:15 welcome address

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MATERIALS AND TECHNOLOGIES for sustainable yachting and sail racing Chairman Luigi Nicolais

15:30-15:45 introduction by the Chairman

15:45-16:15

Lightweight recyclable materials
Ernesto Di Maio UNINA

16:15-16:45

Aerospace composites: new opportunities
for sail racing **Stefania Cantoni CIRA**

16:45-17:15 coffee break

17:15-17:45

Recovery of basalt fibers from epoxy matrix
composites **Livia Persico POLITO**

17:45-18:15

Yacht decommissioning and circularity of
composite materials **Andrea Ratti POLIMI**

18:15-18:30 Concluding Remarks



ADVANCES AND DEVELOPMENTS for Sailing Yacht Performance Chairman Carlo Bertorello

Saturday May 14th 09:00 - 13:00

Aula Magna centro Congressi Federico II
Via Partenope 36

9:30-10:00

America's Cup as technology driver in sailing
progress **Carlo Bertorello UNINA**

10:00-10:30

Need For Speed **Laura Marmon Giovannetti SSPA Sweden**

10:30-11:00

Scaling and Similitudes for Wetted Panels
Sergio de Rosa UNINA

11:00-11:15 Coffee break



RACING STRATEGIES AND DEVELOPMENTS Chairman Picchio Milone

11:15-11:45

Sail Race: Aerodynamics Aspects for Tactic
and Strategy **Giovanni Lombardi UNIPISA,**
Marco Maganzi CUBIT Scarl

11:45-12:15

Mechatronics - Bridging Design and
Real World Performance
Andrea Zugna Luna Rossa Prada Pirelli Design Team

12:15-12:45

Match racing start tactics **DII Sailing Team**

12:45-13:00 Concluding remarks with

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