

## ISHY Workshop : Clean transportation

March 16th, 2023

Within the Interreg 2 Sea ISHY project, the University Polytechnique Hauts-de-France is hosting a workshop on clean transportation with a focus on clean vessels. This online workshop will allow participant to discuss about hybrid vessels modeling, control sizing and design as well as using hydrogen as an alternative or additional fuel. This workshop will also present the latest results obtained within the ISHY project.

The workshop will be held online. Registration is free but mandatory. Please register by sending this form to [cleantransp2023@uphf.fr](mailto:cleantransp2023@uphf.fr)

### Program March 16t, 2023:

9:00 Welcome

S. Delprat, University Polytechnique Hauts-de-France

9 :05 Dual Fuel engine - setup and challenges

Sam Schotte, Tricky De Muynck, Steven De Tollenaere, Vives University

9:35 Optimization of Sizing and Control of Hybrid Ship Propulsion System  
considering Certainties and Uncertainties

Saman Nasiri, TU Delft

10:05 Cofee Break

10:10 HYMOT : H2 Engine for LCV : 0D/1D modeling for engine technical  
definition

Rémi Dubouil, Ecole Centrale de Nantes.

10:40 Real time control of an hybrid ship

Carlos Armenta Moreno, Sébastien Delprat, UPHF

11 :10Discussion

Contact : Sébastien Delprat – [sebastien.delprat@uphf.fr](mailto:sebastien.delprat@uphf.fr)

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### Registration form

Family Name : \_\_\_\_\_

Given Name : \_\_\_\_\_

Organization : \_\_\_\_\_

Email: \_\_\_\_\_

Send this form to [cleantransp2023@uphf.fr](mailto:cleantransp2023@uphf.fr)

The connection link will be send by email.