

The European Association of Universities in Marine Technology and Related Sciences (WEGEMT) and The Royal Institution of Naval Architects (RINA) are jointly organizing a 2-day online course on “Green Shipping: Energy, Emissions & Economy”.

The course is addressed to postgraduate (M.Sc. and PhD) and final year students who are currently registered with a European university.

Attendance at this course qualifies as Continuing Professional Development (CPD) and all participants will be entitled to receive a CPD Certificate.

Below is the detailed schedule of the course:

Day 1 / 18 Nov 2020

10:00 – 10:10 **Welcome**/ RINA

10:10 – 10:40 **Green Shipping: The regulatory framework (IMO & EU)** / Dr. George Panagakos (Technical University of Denmark)

10:45 – 11:30 **Taxonomy of CO₂ reduction measures** / Dr. George Panagakos (Technical University of Denmark)

11:35 – 12:20 **Monitoring of CO₂ emissions** / Dr. George Panagakos (Technical University of Denmark)

12:20 – 13:30 Lunch Break

13:30 – 14:20 **Improving the Energy Efficiency of Existing Ships** / Prof Hossein Ghaemi (Gdansk University of Technology)

14:25 – 15:15 **Enhancing the Ship Energy Efficiency by Improving Ship Propulsion Control System** / Prof Hossein Ghaemi (Gdansk University of Technology)

15:15 – 15:30 **Break**

15:30 – 16:20 **Intellectual Property (IP) rights in the digital and green shipping era** / Prof Manolis Samuelides (National Technical University of Athens)

Note: Each time slot includes 5-10 min. Q&A/discussion (all times are CET).

Day 2 / 19 Nov 2020

10:00 – 11:00 **Life Cycle thinking & Life Cycle assessment** / Prof Nikolaos Ventikos (National Technical University of Athens)

11:00 – 12:00 **Ship air emissions Life Cycle inventory studies** / Prof Nikolaos Ventikos (National Technical University of Athens)

12:00 – 13:00 Lunch Break

13:00 – 13:50 **Diesel engine NOx & SOx formation and control** / Prof Peilin Zhou (University of Strathclyde)

13:55 – 14:45 **Engine NOx & SOx reduction technologies** / Prof Peilin Zhou (University of Strathclyde)

14:45 – 15:00 **Course evaluation & Goodbye**/ RINA

Note: Each time slot includes 5-15 min. Q&A/discussion (all times are CET).

Course Fees

This course is free of charge for students who are currently studying at a European university.

Application

Kindly register your interest in the WEGEMT course “*Green Shipping: Energy, Emissions and Economy*” by visiting RINA’s website (https://www.rina.org.uk/WEGEMT_Course_on_Green_Shipping_online_course.html)