



SHORT LIST

Key research themes:
Human Factors; Ship design; maritime safety

Rafet Kurt
University of Strathclyde

Category: **Waterborne**

Country: **United Kingdom**

Rafet Kurt is the principal investigator for the EU-funded project, SAFEMODE (Strengthening synergies between Aviation and maritime in the area of human Factors towards achieving more Efficient and resilient MODE of transportation, 2019- 2022). SAFEMODE has seen for the first time in maritime, human factors integrated into the risk-based design in a quantified manner, making cost-benefit analysis possible for human factors related safety enhancements. SAFEMODE utilised extra-EU partners (China, Indonesia and the Philippines) to support developing countries where human factors research is lacking. A significant policy impact is also in progress at IMO, which may amend the current regulation based on our findings.



SHORT LIST

Key research themes:
Combustion and Pollutants Formation in Thermal Engines

Leonidas Ntziachristos
Aristotle University of Thessaloniki

Category: **Waterborne**

Country: **Greece**

Leonidas Ntziachristos has an established research track record in the areas of emissions, noise, powertrains, as well as their impacts for both marine and road transport. He has been involved in over 120 research projects funded by public or private sources. He is currently involved in 7 EU funded projects including SCIPPER (Shipping Contributions to Inland Pollution Push for the Enforcement of Regulations, 2019-2023) as project coordinator. In SCIPPER, emission monitoring techniques have been developed and deployed in vessel measurement field campaigns. Other on-going projects with his involvement as a team leader include EMERGE(Evaluation, control and Mitigation of the EnviRonmental impacts of shippinG Emissions, 2020-2024) on the environmental impacts of scrubbers, ENGIMMONIA (Sustainable technologies for future long distance shipping towards complete decarbonisation, 2021-2025) on emission control of an ammonia-powered marine engine and Up-To-Me (Unmanned-Power-to-Methanol-production, 2022-2025) on the production of green methanol for use as a marine fuel.