



# SNAME

THE INTERNATIONAL COMMUNITY FOR MARITIME AND OCEAN PROFESSIONALS



SNAME WESTERN EUROPE SECTION

**TUESDAY, 15 FEBRUARY 2022**

## “AMMONIA FUEL SAFETY CHARACTERISTICS FOR THE MARITIME INDUSTRY”

By

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*Meeting to be held*

**Via Go To Webinar (18:00 hours, duration approximately 1 hour) UK Time**

**REGISTER:** <http://communities.sname.org/events/calendar>

**Note: Deadline to register at website is 14<sup>th</sup> February 2022 (11:59PM)  
Eastern Standard Time**

In April 2018, IMO adopted an ambitious plan to contribute to the global efforts to reduce the Greenhouse Gas emissions, as set by the Paris Agreement, by targeting a 50% reduction in shipping's Green House Gas emissions by 2050, benchmarked to 2008 levels. To meet these challenging goals, the maritime industry must introduce environmentally friendly fuels with negligible, or low SO<sub>x</sub>, NO<sub>x</sub> and CO<sub>2</sub> emissions. Ammonia use in maritime applications is considered promising, due to its high energy density, low flammability, easy storage and low production cost. Moreover, ammonia can be used as fuel in a variety of propulsors such as fuel cells and can be produced from renewable sources. As a result, ammonia can be used as a versatile marine fuel, exploiting the existing infrastructure, and having zero SO<sub>x</sub> and CO<sub>2</sub> emissions. However, there are several challenges to overcome for ammonia to become a compelling fuel towards the decarbonisation of shipping. Such factors include the selection of the appropriate ammonia-fuelled power generator, the selection of the appropriate system safety assessment tool, and mitigating measures to address the hazards of ammonia.

*Continuing Professional Development (CPD) Certificates will be available if requested.*

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