

| Invited Speaker

S0201



SÉBASTIEN LUIS

Deputy Director
Newbuilding and R&D
PONANT Explorations Group

| **Unlocking the full decarbonation potential of SOFC
technology for marine application**

TALK TITLE

Unlocking the full decarbonation potential of SOFC technology for marine application

ABOUT

Sébastien holds a master's degree in mechanical engineering from Grenoble Institute of Technology and a master's degree in energy engineering from IFP school. Sébastien started his career in the automotive sector and then joined in 2015 the LNG Research Department of the ENGIE Group. He worked on LNG behavior and thermodynamics, especially related to the use of LNG as a fuel, with technical and operational support to ENGIE's LNG assets (LNG Regasification Terminal, LNG carriers, LNG bunker vessels). In 2018, Sébastien joined PONANT as LNG specialist working on the implementation and installation of the LNG system onboard Ponant Cruise Vessel "Le Commandant Charcot" which is the first ever built hybrid-electric polar exploration ship powered by LNG and fitted with innovative 2 barg LNG membrane tanks. Sébastien is now developing new technical concepts of zero-emission cruise vessels such as Ponant Swap2Zero project within the Newbuilding and R&D department and dedicates its efforts to the implementation of new technologies to help decarbonizing Ponant's vessel fleet.

