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**THE ROYAL INSTITUTION OF NAVAL ARCHITECTS
LONDON BRANCH**

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THURSDAY, 21 JANUARY 2021

**"THE CONQUEST OF THE SEA: THE NAVAL ARCHITECTS
AND MARINE ENGINEERS BEHIND THE SUCCESS"**

by

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REGISTER:

<https://us02web.zoom.us/meeting/register/tZctduiupjgrEtTW9xi6BNo73C95-vZSKhbZ>

At 17:55 for 18:00 hours (duration approximately 1 hour)

There have been many people, which over the last 500 years have enabled the development of shipbuilding worldwide. Some as navy officers, and others as scientists and engineers, have worked to improve the knowledge and methodology of design and build ships. This conference describes the lives and work of ship-owners, engineers, shipwrights and naval architects who shaped our present.

The history of the word has been decisively linked to the marine engineering, their ships and men, back in the 15th century, when they undertook the exploration beyond the world known. For example, naval architecture practical applications started around mid-18th century when the concept of metacentric height and righting arm were introduced for the first time by Pierre Bouguer, who published the first treatise of naval architecture in 1746, *Traité du navire*, which among other achievements first explained the use of the metacentre as a measure of ships' stability. Or Fredrik Henrik auf Chapman, during the same period, is credited as the first person to apply scientific methods to shipbuilding and is the author of *Architectura Navalis Mercatoria* in 1768, however, it was the *Treatise on shipbuilding* who became the author as one of the leading experts on shipbuilding in the world.

During the conquest of the oceans, it was necessary to make available charts and navigation tools and enhance ships as well, which led to the development of industries such as logging, rope factories, rigging and sails, and tar. Ports and dockyards were also built. Shipbuilders, officers, sailors, gunners and other dockyard personnel were trained, capable of maintaining the machinery, at that time primarily military, of more sophisticated and complex of that time. All of these was the kick-off of our current shipbuilding industry.

ALL ARE WELCOME

**IF A CONTINUING PROFESSIONAL DEVELOPMENT (CPD) CERTIFICATE IS REQUIRED,
PLEASE ADVISE THE HONORARY SECRETARY. HER CONTACT IS STATED ABOVE.**