



SAIMENA

(Cape Town Branch)

WILLIAM FROUDE MEMORIAL WREATH LAYING ON MONDAY 28TH NOVEMBER

The Chairperson and Committee of the Cape Town Branch of the South African Institute of Marine Engineers and Naval Architects cordially invite all members and guests to the William Froude Memorial Wreath Laying.

Froude was one of the principal players in the field of fluid dynamics. Born in Dartington, England, he was educated at Oxford, where he received a degree in engineering. He was the first to formulate reliable laws for the resistance that water offers to ships (such as the [hull speed](#) equation) and for predicting their stability.

Froude researched the stability of ships in a seaway and his 1861 paper to the [Institution of Naval Architects](#) became influential in ship design. He was commissioned to identify the most efficient hull shape, which he was able to fulfil by reference to scale models: he established a formula (now known as the [Froude number](#)) by which the results of small-scale tests could be used to predict the behaviour of full-sized hulls. His experiments were proven in full-scale trials conducted by the [Admiralty](#) and as a result the first [ship test tank](#) was built at his home in Torquay.

He died while on holiday (as an official guest of the Royal Navy) in [Simonstown](#), South Africa and was buried there with full naval honours.



Date: Monday 28th November

Time: 14:00

Venue: Old Burying Ground, St Georges Str, Simon's Town
(near Seaforth)

Participants are invited for tea at the Naval Engineering Section directly afterwards.

Kevin Watson
(Chair)

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Frans van Niekerk
(Secretary)

