

Future Ship and Offshore Research: Bridging the Gap between Design and Operations by Dr Bas Buchner, President MARIN

Event Information

By: The Joint Branch of the RINA and the IMarEST (Singapore), Society of Naval Architects & Marine Engineers Singapore, Centre for Offshore Research & Engineering

Event Description

Abstract

Developing safe, smart and clean ships and offshore structures is the challenge of the maritime industry. Research should be focussed on supporting this challenge. What should be our focus in this research? What interesting physics need to be studied? What will be the tools of the future? What is the role of the human factor in this? Dr. Buchner's lecture will focus on these questions and he will highlight MARIN's interesting research results to support his discussion.

One thing is certain: we need to bridge the gaps between knowledge and application and between engineering and operations. We should not just developing knowledge out of interest sake. Rather, knowledge should be focused on making ships and offshore structures cleaner, safer and smarter, and we should apply it to bridge the gap between knowledge and application.

Furthermore, in our efforts to make ships and offshore structures cleaner, safer and smarter, we should also try to bridge other gaps in the maritime industry: those between ship builders and ship operators, between the office staff and the fleet crew, and between designers and operators. Who isn't familiar with complaints in both directions?

Using MARIN's vast experience in model testing, simulations, full scale trials and simulator studies Bas Buchner will share MARIN's vision on this topic.

WHEN

Thursday, 28 January 2016 from 18:15 to 20:00
(SGT)

WHERE

National University of Singapore - EA #02-11
Seminar Room SG

About the Speaker

Dr. Bas Buchner studied at Delft University of Technology and graduated in 1991. He joined the Maritime Research Institute Netherlands (MARIN) as Project Manager responsible for many model test and simulation projects related to mooring, platform response, offloading analysis and wave impact loading. He specialised in the topics of extreme waves, green water loading and wave impacts. He completed his PhD on the subject of 'Green Water Loading on Ship Type Offshore Structures' (2002). He was Manager of the MARIN Offshore Department from 2000 to 2010. He was Visiting Professor at the University of Newcastle upon Tyne and has authored more than 50 papers in the field of Offshore hydrodynamics. Since 2011, he is President of MARIN.