

Local Communities



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IMarEST BeNeLux Branch - Technical Meeting

Design aspects of a completely new medium speed engine platform

Speakers: Mr. Jose Gonzalez Celis PhD MIMarEST
Positions: Chief Engineer Large Engines
Companies: Ricardo (Engine Design and Simulation Software)
Websites: www.software.ricardo.com/Products/WAVE
Date: Tuesday 06 June 2017
Time: 18:30 – 22:00
Venue: Delft University of Technology – 3ME Faculty – lecture room D (James Watt)
 Mekelweg 2
 2628 CD Delft
Contact: IMarESTBeNeLux@gmail.com
Parking: P-Aula or P-3ME; see campus map on <http://www.tudelft.nl/en/contact/>.

Dear member or friend,

You are hereby cordially invited to the coming Technical Meeting of the IMarEST BeNeLux Branch. Details of the programme and additional information can be found below. Your attendance to this Technical Meeting will be much appreciated. I look forward to seeing you on the 6th of June.

Would you kindly let me know if you plan to attend this event by registering [online](#). Please register before Monday 5th of June, so I can order sufficient refreshments. Please note we have changed our policy concerning refreshments for non-members of IMarEST. We now kindly ask a contribution to refreshments costs of 5 euro's from non-members. The bank account number of IMarEST BeNeLux branch is: [NL67 RABO 0364 6179 69](#) (no refunds).

Thank you in advance.

Yours sincerely,
 P. de Vos MSc CEng CMarEng MIMarEST – Honorary Secretary IMarEST Benelux Branch.

Detailed Programme

18:30 Welcome incl. coffee; meet other attendees
 19:00 Technical Presentation – part 1: Anticipating predicted motions during offshore operations (Peter Naaijen)
 19:45 (Coffee) Break
 20:00 Technical Presentation – part 2: Automating “throttle control” for high speed crafts (Albert Rijkens)
 20:45 Discussion / remaining questions
 21:00 Drinks / Networking event
 21:45 Closure

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Abstract

Ricardo has cooperated with an engine manufacturer to design a completely new medium speed engine platform. Eighteen months after commencing the initial layout design calculations, a production intent full scale engine achieved its first fired run at the engine manufacturer's development test facility. The engine has a market entry power rating of 530kW/cyl, initially employing single stage turbocharging, and is designed to operate at up to 250bar peak firing pressure. The initial production engine will run on HFO/MDO with further Natural Gas and Dual Fuel variants already under development, supported by an architecture of common major components. Extensive use of analysis and simulation tools enabled the engine design engineers to optimise the strength and durability of the engine design whilst at the same time enabling efficient manufacturing by a localised supplier base.

About the Speaker

José González (PhD, Chartered Engineer, Chartered Marine Engineer, MIMarEST, MRINA) began his career as seagoing marine engineer sailing for the Lauritzen Kosan Group in 1997. His sea service leg was spent on board gas tankers, tramp bulk carriers, ro-ro vessels and tugs. Whilst on board the speaker obtained the Naval Architecture degree on Propulsion, Machinery and Vessel's Services. He came ashore in 2002 and held different roles as service manager, O&M contract manager and consultant working for different sectors: nuclear, marine and power generation in different companies: Westinghouse, Cummins Engine Company, DNV GL and Lloyds Register. In October 2016, he joined Ricardo as Chief Engineer of Large Engines Group.