Evening Lecture

Jointly Organised by
The Joint Branch of RINA & IMarEST
Society of Naval Architects and Marine Engineers Singapore
and
Centre for Offshore Research & Engineering (CORE), NUS

“Caterpillar Electronic Engines”
By Mr. Stephen Phillips, Regional Service Manager
&
Mr. Tan Hang Chuan, Technical Product Support Engineer

Date: Tuesday, 29 May 2007

Time: 6.30pm to 7pm Registration & Refreshments
Talk begins at 7 p.m. and ends at 9 p.m.

Venue: Seminar Room EA-02-11, Faculty of Engineering, National University of Singapore (see attached map)

Please see the attached documents for the abstract of the talk and biography of the speaker.

*Please confirm with Ms. Juliana by Friday 25 May 2007 via the reply slip.*

A/Prof. Choo Yoo Sang
Chairman
The Joint Branch of the RINA and the IMarEST (Singapore)

---

REPLY SLIP - Fax No. 67791635; Tel No. 65162151; Ms Juliana Miswan,
Email: cvejulia@nus.edu.sg

Yes, I would like to attend the talk

Name :_____________________________________________________________
Designation :_________________________________________________________
Company :___________________________________________________________
Address :_____________________________________________________________
Tel No. :________________ Fax:___________E-Mail:_________________________

(If you are a RINA/IMarEST Member and you have not provided your E-Mail Address before to the Singapore Joint Branch, please provide your E-mail address now for enhanced communication)
“Caterpillar Electronic Engines”
By Mr. Stephen Phillips, Regional Service Manager
&
Mr. Tan Hang Chuan, Technical Product Support Engineer

ABSTRACT

Caterpillar engines serve in many industrial applications, one of the main segments driving product development is the on-highway segment. Electronic engine control technology has evolved significantly since the first electronically controlled heavy duty on-highway truck engines were introduced in mid 1980's.

Engine control hardware, software and sensors designs have been driven by many factors such as, emission regulations, fuel economy, engine performance, operator features, management information, diagnostic capability, reliability and new technologies.

The latest engine electronic technology is not only found in heavy-duty on-highway trucks, but in many other industrial applications as well, such as marine. Propulsion, thruster and power generation applications now benefit from the advantages of electronic engines.

Today’s Caterpillar electronic controls are one of the building blocks that form Caterpillar’s ACERT® Technology offering.

ABOUT THE SPEAKER

Steve Phillips trained as an engineer cadet at Poplar Technical College, London from 1970 to 1974, thereafter he sailed in various vessels beginning at Junior Engineer until gaining a position of Chief Engineer in 1981. Coming ashore in 1983 Steve joined an engineering company engaged in Marine Engine repairs and maintenance in the role as Workshop Superintendent. In 1985 an opportunity arose to join MaK in the capacity as service manager for the UK and Ireland, a position held until 1999. In 2000 Steve accepted a post as a supervisor of the Customer Service Team in the MaK factory in Kiel, Germany followed in 2001 and...
2002 by a period in supporting key Caterpillar Dealers in Europe to manage a planned improvement in MaK branded product parts and service network. Later in 2002 another opportunity was forthcoming in Singapore as Regional Service Manager for MaK in Asia soon thereafter extended to all Caterpillar Marine product under today’s banner of Caterpillar Marine Power Systems.

Hang Chuan obtained his B.Sc from Nanyang Technologies University in 1996. He is a Caterpillar certified marine analyst and is currently working as a Technical Product Support Engineer in Caterpillar Marine Power Systems. His 10 year career with Caterpillar includes working as a learning consultant for machine electronic, hydraulic and engine electronic troubleshooting.