



The Scientific Investigation of Marine Bulk Cargo, Liquid Cargo and Fire Claims

3 November 2010, 2pm - 5pm

STI Auditorium, 9th Floor, Capital Tower, 168 Robinson Road, Singapore 068912

Sponsored by LCH (S) Pte Ltd

SERIES 04
SECTION 14
A MARITIME KNOWLEDGE SHIPPING SESSION

**THE SCIENTIFIC INVESTIGATION OF
MARINE BULK CARGO,
LIQUID CARGO & FIRE
CLAIMS**

SPEAKERS

DR. CLIFF BENNETT, BSC, PHD
PETROLEUM & CHEMICAL CONSULTANT
MINTON, TREHARNE & DAVIES GROUP (SINGAPORE)

MR. RICHARD MINTON, MCHM (OXON)
CONSULTANT CHEMIST
MINTON, TREHARNE & DAVIES GROUP (UK)

DR. PATRICK COOK, BSC, MSC, PHD
FIRE & EXPLOSIONS INVESTIGATOR
& MINING ENGINEERING CONSULTANT
MINTON, TREHARNE & DAVIES GROUP (AUSTRALIA)

DATE & TIME
03 NOVEMBER 2010, WEDNESDAY, 2PM – 5PM

VENUE
STI AUDITORIUM,
9TH FLOOR,
CAPITAL TOWER,
168 ROBINSON ROAD,
SINGAPORE 068912

PRESENTED BY: SMF Singapore Maritime Foundation, GI GENERAL INSURANCE ASSOCIATION, lch L.C.H. (S) Pte Ltd

SPONSORED BY: SMF Singapore Maritime Foundation, GI GENERAL INSURANCE ASSOCIATION, lch L.C.H. (S) Pte Ltd



GUEST SPEAKERS

Dr Cliff Bennett, BSc, PHD
Petroleum & Chemical Consultant
Minton, Treharne & Davies Group (Singapore)

MR. RICHARD MINTON, MCHEM (OXON)
Consultant Chemist
Minton, Treharne & Davies Group (UK)

DR. PATRICK COOK, BSC, MSC, PHD
Fire & Explosions Investigator & Mining Engineering Consultant
Minton, Treharne & Davies Group (Australia)

Dear Members,

The Singapore Maritime Foundation (SMF) and the General Insurance Association of Singapore (GIA) are jointly organizing the forthcoming seminar, **The Scientific Investigation of Marine Bulk Cargo, Liquid Cargo and Fire Claims on Wed 3 Nov 2010**, from 2pm to 5pm, at the Capital Tower. The talk come to you as part of the Maritime Knowledge Shipping Sessions, a series of seminars where maritime experts are invited to present insights about their specializations to enhance the maritime knowledge of our insurance professionals and the maritime community. The seminar is free-of-charge. However, to attend, please fill in with the registration form attached and register by **27 October 2010**. The attached poster can also be used if you wish to publicize the event in your office. You will find more details of the seminar below.

We hope that you will be able to encourage your staff and partners to attend this enriching session. Through this seminar, we hope that our maritime partners and marine insurance professionals will be able to take away an overview of the perspectives and analysis about scientific investigation of marine bulk cargo, liquid cargo and fire claims from our experienced presenters.

Thank you and best wishes

Mark Lim
Executive Director
General Insurance Association of Singapore

PROGRAM

In this Maritime Knowledge Shipping Session, three speakers will present their expert insights on The Scientific Investigation of Marine Bulk Cargo, Liquid Cargo and Fire Claims. The topics covered will be listed in the program below:

TIME	PROGRAM	SPEAKER
14:00	Opening Address	Mr. David Chin Executive Director Singapore Maritime Foundation
14:10	Introduction <ul style="list-style-type: none"> • Who are MTD? • Why does industry need scientific consultants/investigators? • How do we investigate claims? 	Mr. Richard Minton, MChem (Oxon) <i>Consultant Chemist</i> <i>Minton, Treharne & Davies Group (UK)</i>
14:40	Sampling and Inspection of Bulk Liquid Cargos <ul style="list-style-type: none"> • The importance of sampling • Types of samples • Sampling techniques • Common Problems 	Dr Cliff Bennett, BSc, PHD <i>Petroleum & Chemical Consultant</i> <i>Minton, Treharne & Davies Group (Singapore)</i>
15:10	Coffee Break	
15:40	Oil Contamination Claims <ul style="list-style-type: none"> • Quality specifications • Sampling and testing • Investigative analysis • Case studies 	Mr. Richard Minton, MChem (Oxon) <i>Consultant Chemist</i> <i>Minton, Treharne & Davies Group (UK)</i>
16:10	Fire Investigation <ul style="list-style-type: none"> • The role of the forensic fire investigator • Attending at the scene of a fire • Evidence collection • Analytical techniques • Case studies 	Dr. Patrick Cook, BSC, MSC, PHD <i>Fire & Explosions Investigator & Mining Engineering Consultant</i> <i>Minton, Treharne & Davies Group (Australia)</i>
16:40	Q&A Session	Mr. Richard Minton Dr Cliff Bennett Dr. Patrick Cook
16:55	Closing	

SPEAKERS PROFILE



DR. CLIFF BENNETT
PETROLEUM & CHEMICAL CONSULTANT
MINTON, TREHARNE & DAVIES GROUP (SINGAPORE)

After obtaining his Doctorate in the chemistry of Reactive Dye Interactions, Dr. Cliff Bennett worked as a product development chemist for firms specialising in printing inks and decoration materials. Following a period working in information technology, he joined one of the major international petroleum and chemical inspections companies in the late 1980s. He was involved in load/discharge surveys and quality control for cargoes of crude oil, petroleum products, petrochemicals and LPG. He also investigated contamination and shortage claims, on both ship and shore terminals. Dr. Bennett joined MTD in 1993, has attended incidents worldwide on behalf of insurers, solicitors and ship owners, and has developed expertise in the design of mitigation strategies based on chemical treatment and / or blending.



MR. RICHARD MINTON, MCHEM (OXON)
CONSULTANT CHEMIST
MINTON, TREHARNE & DAVIES GROUP (UK)

Mr. Richard Minton has a Masters degree in Chemistry from Oxford University. His university's research focused on the investigation of the molecular structure of biologically relevant molecules using microwave spectroscopy. During this time, he gained experience in the use of a variety of analytical techniques including gas chromatography, mass spectrometry, microwave and infra-red spectroscopy.

Prior to joining Minton, Treharne & Davies Ltd (MTD), he worked in claims in the oil insurance industry, as a petroleum cargo inspector for a major inspection company and as a claims handler for a major oil trading company.

As a consultant chemist at MTD, Mr. Minton is involved in the investigation of contamination and shortage claims for a wide range of clients. He has experience of handling claims involving a wide variety of petroleum, petrochemical and biofuel products. Particular areas



of expertise include the provision of expert advice on problems associated with the storage and carriage by sea of biofuel cargos, marine fuel quality issues, the application of forensic

analytical methods for the investigation of petroleum and petrochemical contaminations, the use of additives in cargo remediation, the management of gas turbine fuel supplies and the auditing of oil companies testing laboratories and marine cargo operations.

He plays an active role in the preparation and presentation of training courses for both non-technical and technical client bases and serves on a number of industry wide technical committees.



**DR. PATRICK COOK, BSC, MSC, PHD
FIRE & EXPLOSIONS INVESTIGATOR & MINING
ENGINEERING CONSULTANT
MINTON, TREHARNE & DAVIES GROUP (AUSTRALIA)**

With a bachelor's degree in mining engineering, a master's degree in mine explosion prevention and protection and a doctorate in Mining Risk Engineering, Dr. Patrick Cook has considerable expertise in all areas of mining engineering, safety and risk management.

Prior to joining MTD, Dr. Cook worked in industry in the UK gaining experience of industrial quality and safety standards, before joining a UK registered consultancy firm as a fire and explosion investigator, first in London and then subsequently in Singapore. He has performed numerous forensic scientific and engineering investigations around the world into a wide range of industrial, marine, domestic and transport claims. Since recently joining MTD, he runs the MTD Fire & Explosion Investigation and Mining Investigation departments in MTD Australia.

He is a member of the Institute of Fire Engineers, the Institute of Electrical and Electronics Engineering and is a registered International Professional Engineer with the Institution of Materials Minerals and Mining.

Note: For more information, please contact GIA Secretariat at ioycelyn.poh@gia.org.sg or at 6221 8788 extn 216