

LASER APPLICATIONS IN THE MARITIME INDUSTRY

WEDNESDAY 22 JUNE 2016

08:00 - 12:00

**MARITIME KNOWLEDGE HUB,
BIRKENHEAD, UK**

Networking Breakfast, Presentations, Tour

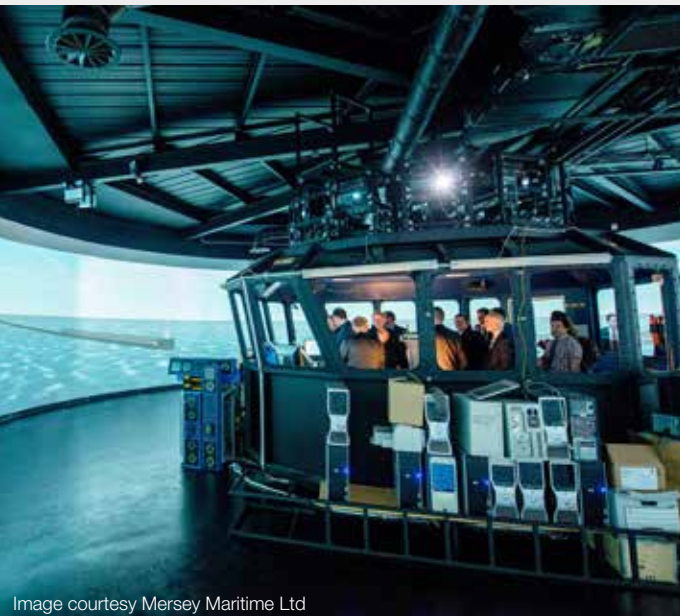


Image courtesy TWI



Image courtesy General Lasertronics

Image courtesy Mersey Maritime Ltd

Supported by





Image courtesy Cammell Laird

- 08:00 - 08:30 **Arrival and Registration**
- 08:30 - 09:50 **Networking Breakfast**
- 09:50 - 10:00 **Welcome** Martin Sharp (LJMU)
- 10:00 - 12:00 **Presentations**

Introduction to the Maritime Industry

Chris Shirling-Rooke Merseyside Maritime

Overview of laser applications

Dave MacLellan AILU

Challenges in manufacturing in shipbuilding or ship repair

John Barnard/Nicholas Mansell Cammell Laird

Surface texturing applications for the maritime sector

Paul French LJMU

Reducing the environmental impact of paint and coating removal of marine vessels

Ioannis Metsios Powerlase Photonics

High power fibre laser welding

Nicholas Blundell MTC

Maritime and underwater welding applications at TWI

Ali Khan TWI

- 12:00 - 14:00 **Tour**
Cammell Laird (limited spaces)

ABOUT THIS WORKSHOP

Recent years have seen a resurgence in shipbuilding on the River Mersey, exemplified by the recent contracts for new ships at Cammell Laird, including the NERC's new polar research vessel, RRS Sir David Attenborough – a contract won against stiff international competition. In addition, a growing offshore renewable energy market and the opening of the Liverpool 2 Superport has boosted the maritime and logistics supply chain in the North West of England. The industry is supported by a strong trade body, Mersey Maritime Ltd, with some 1700 members. Liverpool John Moores University (LJMU) is working closely with Mersey Maritime to facilitate collaboration in the maritime industry, and together have created the Maritime Knowledge Hub.

At this time of rapid development and activity, AILU and Mersey Maritime have organised this half day workshop to be held at the Maritime Knowledge Hub. It will have a different feel to traditional AILU workshops, bringing together manufacturers in the Maritime Industry with experts in the laser material processing sector over breakfast and a handful of presentations to identify opportunities for laser material processing in the maritime manufacturing sector. After the workshop there will be a tour of Cammell Laird (limited places) or the chance to see the ship-handling simulator at Mersey Maritime. Anyone interested in laser applications in the maritime sector should attend.



Martin Sharp

Principal Lecturer, Liverpool John Moores University
Workshop Chair

Venue

Maritime Knowledge Hub
3 Vanguard Way
Birkenhead
CH41 9HX

(0151) 6474747

Ample parking available



Delegates

Please register ahead of the event (see below). On arrival you will receive a delegate pack which will include information for downloading PDFs of the presentations after the event. Breakfast and refreshments will be provided. Please advise us of any special dietary needs.

Exhibitors

In a change to the normal workshop format, the focus of this event is on networking and informal conversation. You are welcome to bring a pop-up banner and literature but **there will be no exhibition tables** (a reduced exhibitor price reflects this change, see overleaf).

Registration (delegates and exhibitors)

You can register for the event in any of the following ways:

- Go online (www.ailu.org.uk/laser_technology/events.html)
- Scan form overleaf and email or post (details overleaf)
- Phone the AILU office (+44 (0)1235 539595)



Registration

Name:

Position:

Organisation:

Address:

Postcode:

Tel: E-mail:

Delegate/exhibitor options

Please tick the box next to your choice. Prices exclude VAT @20%

	AILU or supporting organisation member	Non-member
Delegate only	£50.00 <input type="checkbox"/>	£75.00 <input type="checkbox"/>
Delegate and Exhibitor*	£75.00 <input type="checkbox"/>	£125.00 <input type="checkbox"/>

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Payment options

Please invoice me

I wish to pay in advance by Visa/Mastercard (billing in GBP):

Name on Card _ _ _ _ _

Number _ _ _ _ _ Exp _ / _

Please debit my account

Signed: Date:

Please scan and return completed form to liz@ailu.org.uk or mail to AILU, 100 Ock Street, Abingdon, Oxon OX14 5DH, UK