Invitation to this workshop

Dear Colleague

We are very pleased to invite you to participate in this event at the newly opened Laser Engineering and Manufacturing Research Centre (LEMRC) within the University of Chester's Thornton Science Park. Laser Surface Engineering covers a wide range of applications where industrial lasers are used to change the mechanical, electrical or magnetic properties of a surface. Industries which are applying this technology include the automotive, aerospace, energy, military and medical device manufacturing. As well as hearing some of the research being carried out in this field, you will have the opportunity to hear and see some of the latest technology applied by laser manufacturers and a range of innovative applications identified by end users which are already used or soon to be exploited.

At the end of the afternoon there will be an opportunity to tour our facilities.

Jonathan Lawrence

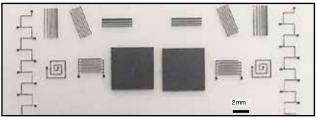
Workshop Chair



Professor Jonathan Lawrence is Director of the (LEMRC) based in the Faculty of Science & Engineering at the University of Chester. He has been involved in laser material processing research for 20 years. Professor Lawrence is the Editor-in-Chief of the international journal Lasers in Engineering, and has published 7 books including the title "Laser Surface Engineering: Research and Applications" in 2014 with Dr David Waugh.

Networking Opportunities

One of the key features of an AILU workshop is the opportunity it provides for delegates to meet with the presenters and with one another: a comfortable environment, generous lunch and refreshment breaks, and a table top exhibition. It presents a valuable learning and networking opportunity and a chance to generate new ideas and valuable contacts.



Courtesy: Oxford Lasers

About this workshop



Venue:

Thornton Science Park University of Chester Pool Lane, Ince Cheshire **CH2 4NU** www.thorntonsciencepark.co.uk

Security

Thorton Science Park is a secure site. Your name will be passed to Security at the entrance to the site (the Gatehouse) to allow access. You will be directed to Car Park B. A site plan is available on the AILU website (see the bottom of the page for web address).

Delegates

On arrival you will receive a delegate pack containing a name badge and essential notes for the day. The pack will include information for downloading PDFs of the presentations, which will be made available on the AILU website after the event. A buffet lunch (including vegetarian options) and refreshments will be provided. <u>Please</u> <u>advise us of any special dietary needs.</u>

Exhibitors

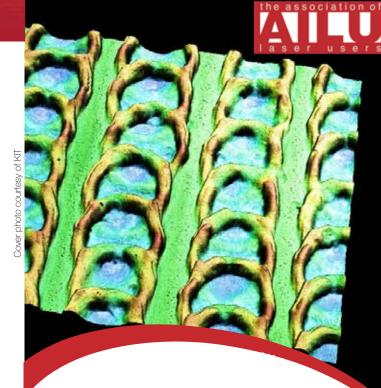
The exhibition will be situated in a dedicated canteen area where refreshments and lunch will be served (see the AILU webpage for a floor plan). Exhibitors can temporarily park outside the canteen to unload. Access will be available from 07:45 on the day. The exhibition will start at delegate registration (08:45) and end after the afternoon refreshment break (15:40). A table (approx 1.8 m x 0.75 m) will be provided free. Backboards and table cloths are **not** provided. Feel free to bring a pop-up banner or your own stand. Mains power can be provided to all tables.

Registration (delegates and exhibitors)

To register for the event please complete the registration form on this flyer or, if you are a member of AILU or have attended workshops previously, phone or email the AILU office and we will register you and send an invoice later. Alternatively, you can register and pay online (see web link below for details).

Travel & Accommodation Please see the Events Page on the AILU website.

Contact AILU: 01235 539595 or info@ailu.org.uk Website: http://www.ailu.org.uk/laser_technology/events.html



Laser Surface Engineering Presentations, exhibition & tour

Wednesday 2nd December 2015

Laser Engineering and Manufacturing Research Centre (LEMRC) University of Chester Thornton Science Park

Supported by:





Courtesy: University of Chester

08:45 - 09:30 Registration and refreshments 09:30 - 11:10 Session 1 Welcome

Jonathan Lawrence University of Chester

Excimer laser surface modification University of Manchester

Zhu Liu

Surface texturing by ultrashort laser: a roadmap from laboratory to industry

Girolamo Mincuzzi ALPhANOV

Keynote presentation

Bio-inspired scale-like surfaces created by laser texturing and their tribology				

New surfaces for new applications

Martin Sharp Liverpool John Moores University

11:10 - 11:40 Refreshment break & EXHIBITION

11:40 - 12:40 Session 2

Laser peening of ballistic armour plates Pratik Shukla University of Chester

Laser surface engineering: a journey from implants to platforms David Waugh University of Chester

LIFT printing and laser sintering of wet inks for flexible electronics Oxford Lasers

Emeric Biver

Courtesy: Fianium

12:40 - 13:40	Lunch & EXHIBITION
13:40 - 15:10	Session 3

Keynote presentation

Surface engineering in the photovoltaic industry Chris Moore Dyesol

Surface engineering applications using short pulse lasers

Paul Fitzsimons Fianium

Surface engineering applications for high power diode lasers Mark Daichendt Laserline

Surface engineering applications using fibre lasers IPG Photonics Mark Thompson

15:10 - 15:40 Refreshment break

15:40 - 16:20 TOUR

Laser Engineering and Manufacturing Research Centre



Courtesy: Laserline

Registration

Name:				
Title & initials	First name	Surname		
Position:				
Organisation:				
Address:				
•••••				
Postcode:				
Tel;	Fax:			
E-mail;				

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

Delegate/exhibitor options

Delegate only (prices exclude VAT @ 20%)		
⊒ £160.00	Member of AILU or supporting organisation	
□ £195.00	Non-member	
□ £65.00	Unemployed or retired	
∎ £45.00	Full time student	
Exhibitor only (prices exclude VAT @ 20%)		
□ £155.00	Member of AILU or supporting	

∎ £155.00	Member of AILU or supporting organisation
⊒ £195.00	Non member

□ I wish to register as a delegate AND exhibitor. Please give me a £50 plus VAT discount on the total fee.

Signed: Date:

Cancellations will be accepted up to 1 week before the event otherwise the full fee may be charged.

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