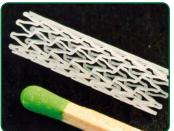
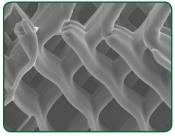
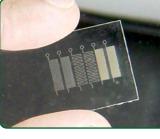
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Workshop information

Venue

Delegates

Exhibitors

not backboards. Registration

OX14 5DH. UK.

Travel

The National Maritime College of Ireland, Ringaskiddy, Cork, Ireland. Tel: +353 (0) 21 497 0600

The exhibition will be located near the area where morning refreshments and lunch are served, adjacent to the meeting room. The Centre will be open from 07:45 for exhibitors wishing to set up their tables before registration. Table tops of 80 x 160 cm will be provided, but

Contact CAMMS for payments in Euros (€):

Cork Institute of Technology, Rossa Avenue, Cork.

Institute of Technology), Cork, Ireland.

Contact AILU for payments in GBP (£):

office by calling +44 1235 539595.

Delegates will receive name badges and CDs including slides or notes of presentations. A buffet lunch will also be provided together with refreshments throughout the day. Please advise us of any special dietary needs.

UK AILU members need only give their names, by phone +44 (0)1235 539595 or email to events@ailu.org.uk. Otherwise a registration form should be completed and sent to either CAMMS (for Euro charges) OR AILU (to pay in GBP).

For registration in Euros please contact the CAMMS office at the CIT (Cork

The contact details are: Centre for Advanced Manufacturing & Management Systems (CAMMS), Department of Mechanical & Manufacturing Engineering,

Tel: +353 (0)21 432 6264 Fax: +353 (0)21 454 6468 email: laser@cit.ie

For registration in GBP please contact AILU, 100 Ock St, Abingdon, Oxon,

Tel: +44 (0)1235 550499, Fax: +44 (0)1235 550499, Email: events@ailu.org.uk.

Delegates who are not members of AILU or of a supporting organisation

can join the Association before the event and benefit from the significant discounts offered to AILU members. Full details of AILU membership can be found at www.ailu.org.uk. You should set up your membership with the AILU





Technology Workshop

Thursday 22 May 2008 Cork

Opportunities for laser micromachining: developments and applications in the medical sector

Presentations, exhibition, clinic & tour

Presentations by internationally recognised experts.

Supported by:



Micro acre Technology, Laser Bluea

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Cork is well served by an airport, railway network and motorway links. The NMCI is situated 18 km from Cork. A link to the location page on the NMCI website with a map, directions and route planner is provided on the AILU website. There is ample parking at the venue. Accommodation Links to hotels in Cork are provided on the AILU website. The recommended hotels are: Carrigaline Court Hotel, Carrigaline; Tel: +353 (0)21 485 2100 or the Clarion Hotel, Lapps Quay: Tel: +353 (0)21 422 4900 (www.clarioncork.com). Exhibition

The Tabletop exhibition will be held adjacent to the main lecture theatre. To book a tabletop contact the AILU office to pay in GBP (T: +44 (0)1235 539595; E: courses@ailu.org.uk), or CAMMS (T: +353 (0)21 422 6264; E: laser@cit.ie) for Euro charging. Spaces are limited so an early response is recommended.

Clinic

A selection of experts will be available for one-to-one technical and/or commercial discussions over most of the lunch period. Places can be reserved by contacting the AILU office or CAMMS at the details above.

AILU, LaserAge and CAMMS reserves the right to alter the programme or cancel the meeting at short notice and accepts no responsibility for the views expressed by the speakers or delegates.

About this workshop

The precision and speed of laser processing make it the ideal tool for manufacturing many medical devices and related items. The workshop will be invaluable for designers and production engineers in the medical sector and to all manufacturers of precision components and assemblies in general.

The use of lasers for materials processing has become increasingly important in the field of medical device manufacture due to their precision, flexibility and ability to work at small scales for the minaturisation of medical components. Mass-produced components range from medical devices, medical instruments and implants as well as sub-systems. Lasers can be used for many processes, such as circuit fabrication, encapsulation, marking, welding and microhole drilling.

In this meeting, both the commercial use of laser processing technology and research into improving medical device manufacture is addressed. Themes include:

- (i) applications of lasers in medical equipment and device manufacture;
- (ii) production improvement techniques for medical device manufacture; and
- (iii) case studies showing laser techniques and sources developed for the medical sector.

Pat Forristal Workshop Chair



Advanced Operations at Stryker Orthopaedics and Chairman of the Irish Medical Devices Association and a Fellow of the Institution of Engineers of Ireland. He has held a number of leadership positions in the

Pat Forristal is Vice President, International

Pharmaceutical, Engineering and Medical Devices industries both in Ireland and Internationally.

With Stryker Orthopaedics since 1998, Pat was responsible for the establishment of their first manufacturing operation in Ireland. Under his leadership, as General Manager, the Carrigtohill

plant was expanded significantly to it's current size.

In his current role as Vice President, International Advanced Operations, Pat has responsibility for Product Innovation, Business & Process Development and Manufacturing Strategy for Stryker's International Orthopaedics facilities in Cork, Limerick and Caen, France.

Who should attend?

This workshop promises to be a valuable day for anyone with an interest or involvement in medical device manufacture. The wide scope of the workshop should give delegates an excellent overview of the many opportunities that lasers offer to medical applications.

The workshop will be of interest to medical device manufacturers, medical supply companies, laser users, laser source manufacturers and suppliers, laser-based engineering subcontractors and machine integrators, all of whom will find opportunities to benefit from the rapid growth in the medical sector, and enhance their supply chain partnerships.

Programme overview

	08:30 Registration and refreshments		
	09:10	Welcome and Introduction	on
	00110	Pat Forristal (Chair)	
	09:20	KEYNOTE PRESENTATI	ON: Concretion of
	09.20		
		biocompatible 2-D and	13-D structures for
		medical implants	
		Andreas Ostendorf	LZH (DE)
	9:55	Production of medical	instruments
		Frank White	Stryker Instruments (IRL)
	10:20	Laser-assisted manufa	
		devices	
		Nadeem Rizvi	Laser Micromachining (GB)
	10.45	Refreshment break	
	10:45		and the second second second
	11:15	Stop on layer laser pro	cessing of medical
		devices	
		David Gillen	Blueacre Technology (IRL)
	11:40	Laser processing for e	nhanced biomedical
		applications	
-		Dermot Brabazon	Dublin City University (IRL)
	12:05	Advances in micromad	hining: how to apply it to
		the medical sector	5
		Martin Sharp	LLEC (GB)
2	12:30	Lightfactory 2020	
	12.00	Tony Flaherty	NCLA, Galway (IRL)
	10.50 10.50	Lunch & EXHIBITION	NOLA, Gaiway (INL)
	12:50-13:50		
	13:50		e 7 and SMEs: Towards
		Europe	
		Sean Burke	Enterprise Ireland (IRL)
	14:00	KEYNOTE PRESENTATI	
		processes for function	alization and packaging
		of medical component	s
		Arnold Gilner	Fraunhofer, ILT, Aachen (DE)
		INNOVATIONS	SESSION
14:35 Ultrafast lasers for medical device mar			dical device manufacture
			Oxford Lasers (GB)
	14:45	Cutting welding and n	narking case studies for
	14.40	medical instrumentation	n and implants
X.		Jonathan Magee	Rofin-Baasel (GB)
	14:55	Fine Cutting Head: cut	
	14:55		
	15 05 15 05	Jürgen Bock	Precitec (DE)
	15:05-15:35	Refreshment break	
	15:35		cs and its application in
		the medical sector	
		Birk Plönnigs	Jenoptik (DE)
	15:45		strument micro welding
		and cutting with fibre I	asers
		Louise Partridge	SPI Lasers (GB)
	15:55	AILU / AILU Ireland	. ,
		Leo Sexton	LaserAge (IRL)
		Mike Green	AILU (GB)
	16:15	AILU's Medical Group	- ()
	10.10	Anna O'Neil	AILU (GB)
	16:25-17:05	TOUR	
	10.20-17.00	ioon	

www.laserage.ie

Rofin-Baasel (UK) Ltd

Courtesy of

Registration Form

Opportunities for laser micromachining:	developments and
applications in the medical sector	22 May 2008

Delegate information

	-
Title	First name Surname
Pos	ition;
Org	anisation:
Add	lress:
Pos	t Code;
	ajl;
Pay D	ment options (including lunch) Please invoice me
	 I wish to pay in advance by: Bank/Euro cheque in £ Sterling or EURO, payable to AILU or CIT, Cork, Ireland. Visa/Mastercard (billing in GBP): Name on Card
	Number Exp/ Please debit my account
	 I wish to register as a delegate. The applicable rate is: GBP 167 or €215 incl. VAT I am a member of AILU and/or one of the supporting organisations or in a group of 3 or more: IMDA □ ABHI □ Photonics KTN □ Health Technologies KTN □ Group ≥ 3 GBP 45 or €60 incl. VAT □ GBP 78 or €100 incl. VAT I am a student member of AILU.
	□ GBP 230 or €295 incl. VAT
	I wish to register as an exhibitor. Please reserve me a table. The applicable rate is: □ GBP 200 or €300 incl. VAT I am a member of AILU or a supporting organisation
	□ GBP 315 or €400 incl. VAT
	I am registering as a delegate and exhibitor. Please give me a GBP 60 or €75 incl. VAT discount on the total fee.
	Signed:
	Complete the form and return by fax or post.

AILU, 100 Ock St, Abingdon, Oxon OX14 5DH UK. Email: events@ailu.org.uk Fax: +44 (0)1235 550499

CAMMS, Cork Institute of Technology, Bishopstown, Cork, IRELAND Tel. + 353 (0)21 432 6264, Email: laser@cit.ie Fax: + 353 (0)21 454 6468

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