

BIOMATERIALS

Bionic man – fact or fiction?

A FREE conference for teachers of science and design & technology

The Institute of Materials, Minerals and Mining, The Boilerhouse, Grantham

Wednesday 29 June 2016

This conference is the seventh in a series of events designed to improve teachers' knowledge and understanding of the materials aspects of the curriculum in order to encourage more confident teaching and raise achievement.

Organised by



Sponsored by:



THE TOPIC

Biomaterials is a field that is continuing to grow in importance as people live to older ages and want to retain the same quality of life. Replacing body parts is not an easy or trivial thing to do and engineers, surgeons and clinicians have to work together to design, manufacture and then implant the various replacement body parts that are now available.

This event is designed to give you an overview of this exciting and thriving area of materials. It will give you contexts that you can use in your teaching and careers ideas that you can pass on to your students.

The day will start with the keynote lecture, given by Professor Serena Best who has lectured on this topic to a wide range of audiences all over the world. The technical presentations, given by other experts in their field will cover a range of biomedical and dental devices and materials used in medical imaging. Over lunch you will have the chance to chat with the speakers further and there will be an open discussion session after the final presentation to ask any other questions you may have.

The day will conclude with a session in which you will look at how you can use the things you have learnt back in the classroom. Once the obligatory feedback forms have been completed the course will close at approximately 1615.

MAKING IT EASIER TO ATTEND

We understand that it can be difficult to be released from your teaching commitments in order to attend events like this, but we firmly believe that opportunities such as our conference offer countless benefits to improving your practice and enriching the education of the children you teach.

We have worked hard to secure sponsorship to make attending easier and we are able to offer every practicing teacher a contribution of £100 towards the cost of cover, where appropriate.

THE VENUE

The Boilerhouse was opened in July 2009 and is the home of all of the Institute's education activities. It is located in Grantham, Lincolnshire and is conveniently located for the A1 with ample free parking available on site. Grantham is also on the east coast main line from London to Edinburgh and the venue is a short walk or taxi ride from the station.

PROPOSED PROGRAMME

- 0900 Arrival and registration
0930 Welcome and introduction
0945 Keynote lecture – Overview of Biomedical materials
Professor Serena Best, University of Cambridge
1030 Total joint replacements
Karen McKinlay, DePuy Synthes
1100 Comfort break
1115 Materials for eye sight correction
Professor Rachel Williams, University of Liverpool
1145 Dental materials
Robert Biggs, University of Bolton
1215 Tissue engineering
Dr Nicola Green, Sheffield University
1245 Lunch
1330 Materials for drug delivery
Andrew Lewis, Biocompatibles UK
1400 Materials in medical imaging
Hannah Brice, Siemens UK
1430 Open Q&A session (including careers)
All speakers, chaired by Dr Russell Goodall, University of Sheffield
1500 Using what you have learnt back in the classroom with refreshments
Helen Thomas, Birmingham City University
1600 Feedback
1615 Close

We know that this is a long day, but would appreciate if delegates would not make travel arrangements which mean leaving the course early.

REGISTRATION

This conference is open to all science and design technology teachers and places are not limited to one teacher per school. Registration is on a first come first served basis and there are 30 places available.

Although the conference is free to attend, we ask for a deposit of £50 to secure your place. Your deposit will only be refunded if you or a substitute attends the conference. Failure to turn up or cancellation within one week of the conference will result in the loss of your deposit.

The closing date for registrations is Monday 20 June 2016.

For more information about this event please email diane.aston@iom3.org.

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REGISTRATION FORM

Please complete all fields clearly in BLOCK CAPITALS. Complete one form per delegate and feel free to photocopy. The closing date for registrations is Monday 20 June 2016, applications received after this date may not be accepted.

ABOUT YOU

First name		Surname	
Subject		Job title	
School			
Address			
Email		Phone	
Dietary requirements			
Other requirements			
How did you hear about the course?			

YOUR DEPOSIT

Please send your deposit of £50 as a cheque made payable to IOM3. Your cheque will only be cashed if you cancel within one week of the course or fail to turn up or send a substitute in your place. We keep your cheque locked securely in our safe and return it during the conference. We will send a confirmation of receipt note when we confirm your place.

YOUR DECLARATION

Please read the following carefully before signing and submitting your registration.

I understand that:

- Places are allocated on a first come, first served basis to those submitting a completed registration form and deposit cheque before the closing date of 20 June.
- My deposit will only be refunded if I or a substitute attend the conference, no other refunds will be made.

Signed: _____

Date: _____

Please send your completed form and deposit to:

Dr Diane Aston, TE1601 registrations

IOM3, The Boilerhouse, Caunt Road, Grantham, Lincolnshire, NG31 7FZ