

Overview

Since our ancestral apes evolved into humankind, we have been fascinated with who we are and how we work. We've continued to ask these questions through the ages of our evolution and out of this insatiable curiosity we've developed the tools to find the answers. From the seemingly floundering medical practices of the Middle Ages through Leonardo da Vinci's autopsies, we are now able to routinely fix our failing organs.

Our equally exponential advances in technology have enabled us to design prosthetics, medical aids and transplants. With the leaps and bounds in our ability to engineer our own genes, the bionic man is now a reality!

EEESTA's tenth annual Prestige Seminar brings a panel of three distinguished speakers who will explore these advances under the umbrella of Biomedical Engineering.

This is a fast growing branch of knowledge bringing together science and engineering in a world of expertise to aid problem solving and innovative design, helping medics and physicians to make incredible improvements to peoples lives.

From faster, more precise diagnostics to targeted treatments and specialised after care, Biomedical Engineering is an extremely wide interdisciplinary field, which is both challenging and stimulating but, above all, is vitally important to the future health and wellbeing of the population.

An essential element of the Prestige Seminar is the final chaired discussion when the audience can put forward their views and questions to the speakers and debate some of the decisions ahead.

This event will be recorded by IET TV (www.iet.tv) and will be available at www.eeesta.org.uk

ATTENDANCE ONLY BY FREE REGISTRATION:

Business Link in the East of England

Tel: 0845 601 1000

Minicom: 01707 398390

Fax: 0845 607 6117

E-mail: bookevents@businesslinkeast.org.uk

OR REGISTER ON-LINE VIA:

www.eeesta.org.uk/seminars.html

Welcome

Prof. TIM WILSON, Vice Chancellor at the University of Hertfordshire, is our host for the evening and will welcome the audience. www.herts.ac.uk

Chair

OLIVER WELLS. Chairman, Association of British Healthcare Industries Research & Innovation Policy Group; Chairman, NHS Innovations South East. For the first 25 years, Oliver was involved in the development and marketing of medical equipment in the Vickers Medical Division. Since 1997 he has chaired work at the ABHI, while managing other research activities with Imperial College, London. www.abhi.org.uk

Speakers

Prof. BILL LEES MBBS, FRCR, FRANZCR, FRCS. Director of the Centre of Medical Imaging at UCL. Bill qualified in medicine at The Middlesex in 1972 becoming their Consultant Radiologist in 1981, in charge of body imaging. In 1994 he was appointed Professor of Medical Imaging at UCL. In 1989 Bill performed the first laser ablation of liver metastasis, leading to the ablation service that is now well established in the NHS. www.ucl.ac.uk

Dr. PATRICK FINLAY PhD, CEng, FIMechE. Patrick graduated in Engineering at Birmingham University and joined ICI Pharmaceuticals as a Research Fellow to introduce robotic automation. After earning a PhD, he moved to Fulmer Research Institute, becoming General Manager in 1985. He managed the national Advanced Medical Robots Programme for the UK DTI and is retained by the European Commission as an expert in the field. www.prosurgics.com

Prof. ALAN BARRELL DBA, FRSA. Alan holds The Queen's Award for Enterprise Promotion. Following a scientific and hospital-laboratory training, Alan has spent almost thirty years in Senior and Chief Executive positions in technological industries, working with global companies such as Baxter Healthcare and Willett International. Alan's recent appointments include entrepreneurship in establishments such as Cambridge and Xiamen (China) Universities. www.alanbarrell.com

Vote of Thanks

Dr. JOHN MORTON CEng, FRAeS, FIMMM Chief Executive of the Engineering and Technology Board will propose tonight's vote of thanks. www.etechnology.co.uk

Organisers

EEESTA Herts & Beds - The main focus of the group's activities is to promote the engineering, science and technology professions to the community at large by staging an annual prestige seminar in November.

Previous titles in the series:

- 1999 – Millennium Dawn; The Next 1000 Years
- 2000 – Global Guardians; Sustainability
- 2001 – Energy and Resources in the 21st Century
- 2002 – Risk In Uncertainty
- 2003 – Watch this Space; Beagle 2 Mars Lander
- 2004 – Developing Our Future; Manufacturing
- 2005 – Energy for the Future
- 2006 – Lights, Camera, Action
- 2007 – Gridlock? Transport in 2030

For details, visit www.eeesta.org.uk/seminars.html

These events are organised with support from many of the professional engineering and other Institutions.

Planned for 2009 – Waste Management

Dr. Andrew Powell OBE CEng FIMechE
Chairman EEESTA Herts & Beds
E-mail: andrew.powell@eeesta.org.uk

East of England Engineering, Science & Technology Association (EEESTA)

Our objective is to bring together all institutions and other organisations interested and involved in promoting and delivering engineering, science and technology with those bodies that have links to schools, colleges and the public at large. EEESTA aims to ensure that funds and effort are applied as effectively as possible with all involved working as a team.

For details, visit www.eeesta.org.uk

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Chairman EEESTA
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Supporters

'Engineering Our Health - Advances in Medical Technology' is organised by the Herts and Beds Subgroup of EEESTA. Grateful thanks and appreciation is acknowledged to all supporters including:

British Computer Society

Business Link in the East of England

Engineering and Technology Board (ETB)

ERBI

Herts Chamber of Commerce

Institution of Civil Engineers

Institution of Engineering and Technology, Beds and Herts Local Network

Institute of Marine Engineering, Science & Technology

Institute of Measurement and Control, Herts Area

Institution of Mechanical Engineers Eastern Region, North Herts Area, Beds and Cambs Area

Institute of Physics London and South East Branch

MBDA Missile Systems UK Ltd

Society of Environmental Engineers

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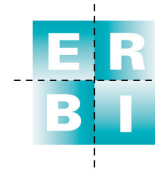
University of Hertfordshire

Continuing Professional Development (CPD)

This Prestige Seminar will help all attendees keep up-to-date on important issues. Members of the engineering profession may wish to record this seminar as part of their individual CPD.



The Knowledge Network

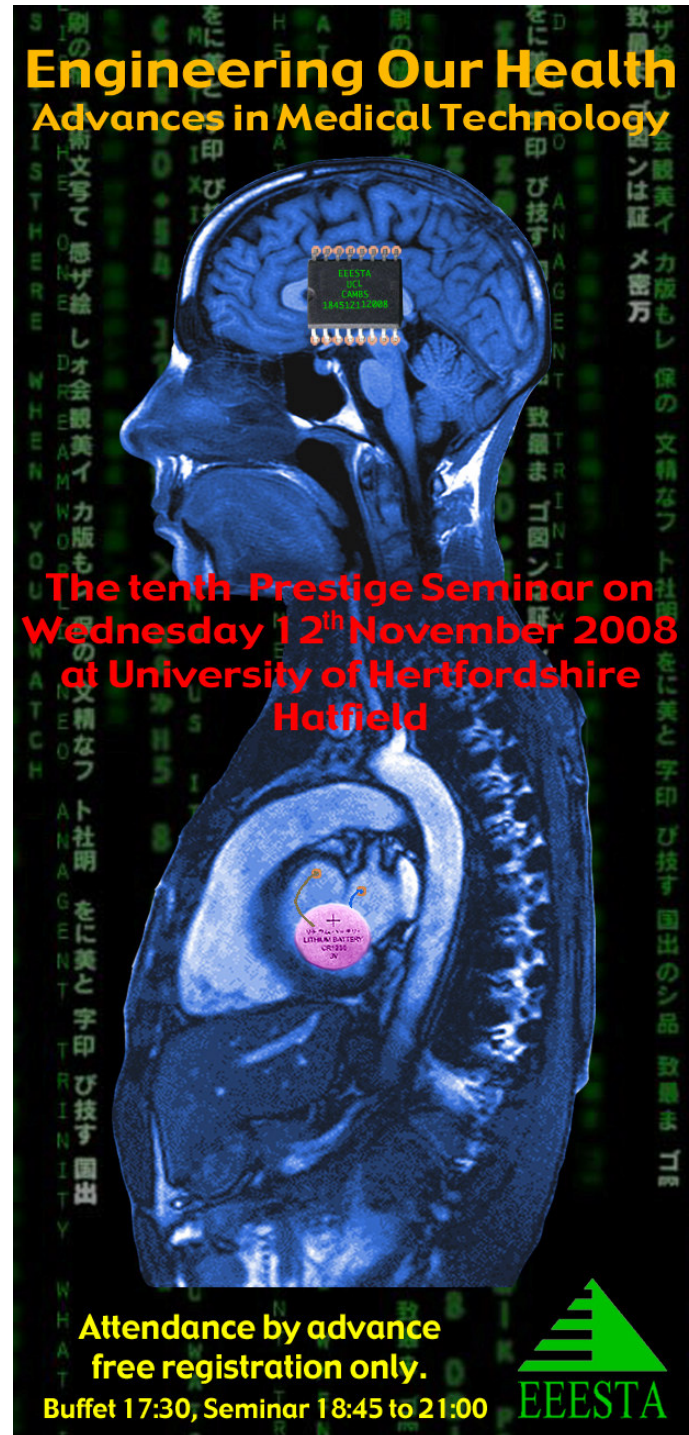


Growing Medtech
Cambridge and the East of England



Engineering Our Health Advances in Medical Technology

The tenth Prestige Seminar on
Wednesday 12th November 2008
at University of Hertfordshire
Hatfield



Attendance by advance
free registration only.
Buffet 17:30, Seminar 18:45 to 21:00

