

## Overview

In this eighth annual prestige multi-media seminar, our eminent speakers will address the fundamental technologies and advances that have powered the information age from the early beginnings, up to today, and the likely advances in future. They will look at the progress of hardware, software, human creativity and our future relationship with machines in an increasingly networked world. Each of the three presenters will deliver 25 minutes of stimulation, surprise, provocation, and forecasts from what is now available, to what they see is over the horizon. The audience will then be invited to join in an interactive and orchestrated session so they can put their questions, give their views, and enhance the debate further.

A few relevant facts

- All human communication is dwarfed by machine interaction
- Networking skills now define the most important % of an individual's capabilities
- The internet is now on a par with the complexity of the human brain
- Grid computing is nascent
- Networked mobile phones and wrist watches may become more intelligent than PCs
- We can all own a super computer and soon it will be wearable
- The future will be much more than more of the same but faster, smaller and cheaper. We are entering the dawn of biotechnology/microtechnology convergence.

This event will be relevant and interesting for young people studying engineering, science or technology and contemplating a career in these disciplines.

**ATTENDANCE ONLY BY FREE REGISTRATION AT:**

**Business Link Hertfordshire**

**Tel: 01727 813613**

**Minicom: 01727 813555**

**Fax: 01727 813601**

**E-mail: [training@exemplas.com](mailto:training@exemplas.com)**

**On line: [www.eeesta.org.uk/seminars.html](http://www.eeesta.org.uk/seminars.html)**

## Welcome

**Professor WENDY PURCELL, Pro-Vice Chancellor at the University of Hertfordshire**, is our host for the evening and will welcome the audience. ([www.herts.ac.uk](http://www.herts.ac.uk))

## Chair

**KATE BELLINGHAM MEng, President Young Engineers**, broadcaster and television presenter will Chair the event. ([www.youngeng.org](http://www.youngeng.org))

## Speakers

**Sir ROBIN SAXBY BEng, CEng, FEng, President of The IET, Founder and Former Chairman and CEO of ARM Holdings Plc.** His early career was in design and development for Rank Bush Murphy & Pye TMC but Robin is most famous for the creation of ARM whose chip technology is used in all the worlds' mobile phones, iPods, digital cameras, set top boxes, games and so on. ([www.arm.com](http://www.arm.com))

**JOHN VARNEY, Chief Technology Officer BBC**, leads the Technology Group, an operation identifying the technology requirements for the corporation now and in the future. This includes the world-renowned R&D centre for media production and broadcasting technology that gives the necessary guidance to the BBC to support its vision for Building Public Value and creating a Digital Britain. ([www.bbc.co.uk](http://www.bbc.co.uk))

**Professor PETER COCHRANE OBE, FEng, is the Co-Founder of ConceptLabs CA, and an independent consultant, entrepreneur and futurist.** Peter had an extensive career in BT as Head of Research and CTO where he worked on transmission and switching systems, medical, defence, artificial intelligence and artificial life systems. He currently invests in and manages new technology start-ups, and consults with major corporations and governments world-wide. ([www.cochrane.org.uk](http://www.cochrane.org.uk))

## Vote of Thanks

**Dr JOHN MORTON CEng, FRAeS, FIMMM, Chief Executive of the Engineering and Technology Board** will propose the vote of thanks. ([www.etchb.co.uk](http://www.etchb.co.uk))

This event will be archived by IET TV ([www.iet.tv](http://www.iet.tv)) and will be available at [www.eeesta.org.uk](http://www.eeesta.org.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 each 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

For details, see [www.eeesta.org.uk/seminars.html](http://www.eeesta.org.uk/seminars.html)

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

Planned for 2007 – Transport in 2030

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

Our objective is to bring together engineering institutions and other organisations interested and involved in promoting and delivering engineering, science and technology with those bodies that have links to the 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 and to this end will not provide services better provided individually by others. For more details visit [www.eeesta.org.uk](http://www.eeesta.org.uk).

**John Christopher IEng MIED,**

**Chairman EEESTA Herts and Beds**

**Chairman EEESTA,**

**E-mail: [john.christopher@eeesta.org.uk](mailto:john.christopher@eeesta.org.uk)**

**Mob: 07775 703294**



### Supporters

“**Lights, Camera, Action**” is organised by the Herts and Beds Sub-Group of EEESTA. Grateful thanks and appreciation is acknowledged to all supporters including: -

British Computer Society

Business Link Hertfordshire

Engineering and Technology Board (ETB)

Gateway 2 Innovate

Institution of Chemical Engineers

Institution of Engineering and Technology, Beds and Herts Professional 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

Mictel Hillpress

Royal Aeronautical Society, Stevenage Branch

SCENTA

Screen East

Society of Environmental Engineers

Society of Operations Engineers IPlantE Herts Branch

University of Hertfordshire

Young Engineers

### 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.

# LIGHTS, CAMERA, ACTION

## Engineering the convergence of creativity, communications and computing

A prestige seminar on  
**Weds 15th Nov 2006**  
**5:30 to 9:30 pm** at  
**University of Hertfordshire**  
**Hatfield**



### Attendance by advanced registration only