



The Knowledge Network

**East Midlands Local Network
Programme 2006 - 2007**



**THE INSTITUTION OF ENGINEERING
AND TECHNOLOGY**

www.theiet.org/eastmidlands

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Please notify Peter Holmes of any errors and omissions so that corrections can be published on the IET East Midlands Website:

<http://www.theiet.org/eastmidlands>

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Chairman's Introduction

Welcome to the IET

from Alan Casey



Well, that's it we've done it! Welcome to the IET, the second largest professional institution in the world, or so they tell us! After months of hard work by colleagues from both the IEE and IIE we have joined forces to form an East Midlands region not unlike the one we had before. However, we will have to get used to some new terminology. The structure of the IET is an overall Knowledge Network (KN) and, using consistent terminology, we have Geographic Networks, comprising Regional and Local Networks, working with Technology Networks (ex-IEE PN and ex-IIE SIG's) and various other elements of the IET. These other elements comprise Younger Member, Retired Member and specialist Section networks. Well whatever we are now called we are a pretty coherent group who have, over the past years, organised and run some impressive activities either, as separate institutions, or quite often, jointly.

Obviously we have two chairmen to thank for the past successful year, Tariq Hussain chairman of the IEE and Steve Watson of the IIE. They have both overseen a diverse range of activities within the IEE and IIE as well as spending an inordinate amount of personal effort ensuring that the merger within our region was seamless.

This is going to be a transitional year, but with undying enthusiasm from our existing branches / panels (sorry networks!) a full programme of events has been planned for the coming year. I encourage you to attend one within easy travelling distance and see the high standard we maintain and you

expect but more importantly, to network all the services you would expect from a world class institution. However, the best way to help the Region is to have your say with comments and suggestions, especially on what you would like us to arrange locally. So come to our meetings and let us have your views.

Alan J Casey MSc, IEng, MIET Chairman, East Midlands Network.

Programme of Events 2006 - 2007

Events are listed in date order within the following Districts and for the whole Local Network:

WL	Whole Local Network
YM	Younger Members Section
RM	Retired Members Section
DN	Derbyshire/Nottinghamshire
LE	Leicestershire
LN	Lincolnshire
NN	Northamptonshire
PE	Peterborough (part of Peterborough / Huntingdon)

All events in the programme are open to all members of the Institution. Members are encouraged to bring guests to meetings. Please make sure that you sign the attendance book/sheet. Prior registration is required for some events (typically visits, prestige lectures etc.) and numbers may be limited so early booking is advised. The Programme gives details for contacting the organiser of the event. Last minute changes to the programme are posted on the IET East Midlands Website and are emailed in the monthly Electronic Diary. For further information on events contact (peterholmes@theiet.org). The Y M Section can be contacted at: (eastmidlands_ym@theiet.org)

Calendar

WL **Mon 18 Sep 06** Local Network Committee Meeting
RM **Thu 28 Sep 06** Visit to Grimsthorpe Castle
LE **Thu 05 Oct 06** LED Light Sources for Electric Signalling
PE **Tue 10 Oct 06** Sophisticated Small Satellites from Surrey
DN **Tue 10 Oct 06** Boeing 787 Dreamliner Airplane for a new world

LN **Wed 11 Oct 06** The Energy Review 2006
YM **Mon 16 Oct 06** Get Involved and Chairman's Address
DN **Fri 27 Oct 06** Marine Gas Turbines - History and future Development

YM **Mon 30 Oct 06** Marston's Brewery Visits
DN **Fri 03 Nov 06** Visit to Rolls-Royce Production Assembly
YM **Mon 06 Nov 06** Marston's Brewery Visits
DN **Tue 14 Nov 06** Fuel Cells - Powering the Future
PE **Tue 14 Nov 06** Nuclear Fusion
LN **Wed 22 Nov 06** The Diesel World Speed Record
NN **Wed 22 Nov 06** Predictive Maintenance by Infrared Thermography

RM **Tue 28 Nov 06** Rolls-Royce Heritage Trust Exhibition
YM **Wed 29 Nov 06** Behind the scene tour of BBC East Midlands
WL **Mon 04 Dec 06** Local Network Committee Meeting
YM **Mon 04 Dec 06** Lifeskills
WL **Wed 06 Dec 06** EMESP Prestige Lecture
LN **Mon 08 Jan 07** Astor Integrative Project
PE **Tue 09 Jan 07** Global Warming (What can the individual do?)
DN **Tue 16 Jan 07** High Speed to St. Pancras - the Tunnel Link
LE **Tue 23 Jan 07** Computer Modelling in Multiple Dimensions
WL **Mon 29 Jan 07** Local Network Committee Meeting
YM **Mon 05 Feb 07** Lean Manufacturing - Can it really work?
LN **Wed 07 Feb 07** Magnetic Coupling
PE **Tue 13 Feb 07** The "JCB 444" Engine
LE **Thu 22 Feb 07** CANfor Drive by Wire systems
LN **Wed 07 Mar 07** The Future of Global Positioning
NN **Tue 13 Mar 07** Electric Power Afloat - the restoration of the Mary Gordon
PE **Tue 13 Mar 07** "Water" a part of your life

YM **Mid March 07** Visit to Beacon Energy Centre
RM **Wed 14 Mar 07** Visit to Marstons Brewery
DN **Tue 27 Mar 07** London Underground - past, present & future
PE **Tue 10 Apr 07** Outside Broadcast Vehicles
LN **Wed 11 Apr 07** Renewable fuels for Power Plant
YM **Mid April 07** Short Papers Evening
WL **Mon 16 Apr 07** Local Network Committee Meeting
NN **Mon 23 April 07** Short Papers evening
DN **Tue 01 May 07** En route to T5 at Heathrow
LE **Wed 02 May 07** East Midlands Innovation - the Masters Prizes
LN **Wed 9 May 07** The Ruston Car
DN **Thu 10 May 07** Visit to the National Coal Mining Exhibition
RM **Wed 16 May 07** Walk around Foxton Locks
LE **Wed 16 May 07** Taming the Beast
YM **May 07** Routes to Professional Registration
WL **Mon 21 May 07** Local Network AGM and Chairman's Address
RM **Tue 12 Jun 07** Visit to Butterley Engineering
DN **June 07** Visit to Ratcliffe on Soar Power Station
DN **Thu 13 Sep 07** Visit to Steel Rolling Mill

BR BRUSH AND ERICSSON GOLF TROPHIES

The above trophies were presented to the Branch in 1960 and played for annually.

Winners for 2006 :-

Brush Trophy (overall) Peter Cowley
Ericsson Trophy (Veteran) Bob Gibbs

To play. contact either of the above or Terry Gooch.

Life can change suddenly for anyone. In some cases an unexpected injury or accident may cause financial problems but in others, someone may simply need advice and information. We provide a range of services to members of all ages and their dependants in times of need.

We can help to sort out finances, advise on benefits or put people in touch with other organisations that can help with their particular situation. Members can also take advantage of our free legal helpline and debt counselling service. In some cases we can also give financial assistance.

IET Connect's work is entirely funded by donations and legacies from IET members.

Anyone facing a problem that they do not know how to deal with should contact us in confidence for guidance, advice and support. Please call the IET Connect helpline 0845 685 0685 or visit www.iet-connect.org to view our range of advice and fact sheets.

The East Midlands branch local representative can be your initial contact. He will forward your enquiry to the appropriate person at Savoy Place.

Jim Hogg can be contacted
by phone at 01733 263267 or
by e-mail at jim.hogg@virgin.net

LOCAL NETWORK EVENTS

Monday 18 September (19:00 - Refreshments 18:30) WL

Quality Hotel, New Ashby Road, Loughborough (See Map E)

Local Network Committee Meeting

Contact - peterholmes@theiet.org

Monday 4 December (19.00 - Refreshments 18:30) WL

Quality Hotel, New Ashby Road, Loughborough (See Map E)

Local Network Committee Meeting

Contact - peterholmes@theiet.org

Wednesday 6 December (19.30) WL

Albert Hall, North Circus St., Nottingham NG1 5AA

EMESP Prestige Lecture

Heathrow T5 History in the Making

Admission by ticket only - Max 2 £3 each SAE with remittance to Mrs.Marion Jacques, PO Box 486, Derby DE22 2ZS

Monday 29 January (19.00 - Refreshments 18.30) WL

Quality Hotel, New Ashby Road, Loughborough (See Map E)

Local Network Committee Meeting

Contact - peterholmes@theiet.org

Monday 16 April (19.00 - Refreshments 18.30) WL

Quality Hotel, New Ashby Road, Loughborough (See Map E)

Local Network Committee Meeting

Contact - peterholmes@theiet.org

Monday 21 May (19.30 - Refreshments 19.00) WL

Quality Hotel, Loughborough (see Map E)

Annual General Meeting and Chairman's Address

Presentation by Dr Amin Al-Habaibeh MIET Contact: Peter Holmes, Tel: (0116) 277 4534

E-mail: peterholmes@theiet.org

YOUNGER MEMBERS SECTION

Chair - Tom Hlaing MEng MIET
23 Ingelby Road

Long Eaton, Nottingham NG10 3DG

For general enquiries about the Younger Members Committee and suggestions on future events, please contact us at:
eastmidlands_yms@theiet.org

Monday 16 October 19.00 (Refreshments 18.30) YM

Toby Carvery, Derby Road, Nottingham NG8 2NR (See Map C)

Get involved! and Chairperson's Address

Ever wondered what the Younger Members Committee does? This is an excellent opportunity to meet the current Committee Members, find out more about what we do and an opportunity to see if getting involved in the future of your Younger Members Committee is for you! The Chairperson will also be giving his annual address, this year entitled "The importance of Intellectual Property Rights in a Knowledge Skilled Economy."

Contact Tom Hlaing for more information at: thlaing@theiet.org

Monday 30 October and Monday 6 November (19.00) YM

Burton on Trent

Marstons Brewery Visits

The only company in the world that still has the capability of brewing using the famous union techniques. This guided visit of the Burton Plant will show the entire process of making a pint of Marstons Pedigree, from raw hops to bottling - with sampling of the beer afterwards.

The trip is charged at £6.50 each (including transport). Places are limited. Advanced booking is essential.

Contact Nigel Handley for more information: nhandley@theiet.org

Wednesday 29 November (18.15)

YM

BBC Studios, London Road, Nottingham NG2 4BU

Behind the Scene Tour of BBC East Midlands

Due to overwhelming demand, another chance to look at the BBC East Midlands Regional Studios in Nottingham. See the TV and Radio Studios. Watch an edition of East Midlands Tonight being transmitted and perhaps a chance to see a famous face from the show itself.

Contact Minn Pongpaibul for more information at
bpongpaibul@theiet.org

Monday 4 December (19.00 - Refreshments 18.30)

YM

Toby Carvery, Derby Road, Wollaton Vale, Nottingham NG8 2NR
(See Map C)

Lifeskills

Done are the days when just having a degree was enough to get ahead in the workplace. A representative from IET HQ will give an interactive discussion on a number of lifeskill topics, including assertiveness, career progression and how to find that perfect job!

Spaces are extremely limited

Contact Sumeet Shah for more information at: srshah@theiet.org

Monday 5 February (19.00 - Refreshments 18.30)

YM

Rolls-Royce Learning and Development Centre DE24 8BJ

Lean Manufacturing - Can it really work?

(Joint with the Manufacturing Professional Network)

Lean manufacturing has been said to be saviour to inefficient manufacturing and production environments, but it can really make a difference to UK businesses, and more importantly what are the basic building tools in its implementation? This lecture will explore some of the techniques that companies and organisations can use to become lean in their approach.

Contact Adam Hollis for more information: ahollis@theiet.org

Early March (15.00)**YM**

Charnwood Building. Holywell Park, Loughborough University

Sustainability - a visit to Rolls-Royce Fuel Systems Ltd.

Sustainability in energy use is a topic that is becoming more important to nations and businesses. This visit to Rolls-Royce systems department will show how fuel cell technologies work, how this fits into the overall Rolls-Royce strategy and what the future holds for fuel cell technology.

Places are limited.

Contact Sumeet Shah for more information: srshah@theiet.org

Mid March**YM****Visit to the Beacon Energy Centre**

Beacon Energy's objectives are to demonstrate and promote sustainability, to promote public awareness about global warming and to encourage the reduction of CO₂ emissions. See how a working facility can operate independently from the national electricity grid with an overall energy consumption less than half the average for office buildings in the UK.

Contact Adrian Natzel for more information:
adrian.natzell@theiet.org

Mid April (19.00 - Refreshments 18.30)**YM**

University of Leicester

Present around the World

A chance to showcase a piece of work or research you have carried out recently. Judging is weighted more towards presentation skills than pure technical content.

If you would like to enter the competition or simply come and see some of the East Midlands finest minds.

Contact Matt Noonan for more information at noonan@theiet.org

May 2007 (19.00 - Refreshments 18.30)

YM

Routes to Professional Registration

A lecture from the IET to explain the various ways to progress your career and how to gain professional status in CEng and IEng

Contact Adam Hollis for more information at: ahollis@theiet.org

RETIRED MEMBERS SECTION

Thursday 28 September

RM

Grimsthorpe Castle

Cost £20 per head

10.30 Coffee, 11.00 Minibus tour of grounds
12.00 View Vanbrugh Drawings, 12.30 Lunch and after lunch
at leisure in gardens 14.30 tour of Castle

Contact: Searle Clark Tel: (01778) 345589

E-mail: Searle.clark@btinternet.com

Enjoy the splendour of the park and see what Vanbrugh did, and did not do, Numbers are limited to 16, so early application is advised.

Tuesday 28 November

RM

Rolls Royce Heritage Trust Exhibition

12.30 Lunch (personal cost)
13.30 Guided Tour of Exhibition (Free)

Contact: Terry Gooch. Tel: (01530) 838512.

E-mail: awgoocht@tiscali.co.uk

See an exhibition covering the whole of Rolls-Royce Engine development, from its early days to vertical lift and the modern Trent.

Wednesday 14 March

RM

Lunch & Tour of Marstons Brewery, Burton on Trent

Cost £6 plus food Meet 12.30 Lunch 13.00 Tour 14.00

The IET E M Branch

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Depart 17.00

Contact: Terry Gooch Tel: (01530) 838512
Email: awgoocht@tiscali.co.uk
See how it is made and taste the final product.

Wednesday 16 May

RM

Walk around Foxton Locks

Meet at Top Car Park 10.30 Walk to lunch
Lunch 12.30 (personal cost)
Return 14.00 via talk on the locks and inclined plane

Contact: Fred Shaw Tel:(0116) 2709956

Email: fredshaw@dsl.pipex.com

Enjoy the countryside around the canal and hear about lock maintenance and the restoration of the inclined plane.

Tuesday 12 June (Afternoon visit)

RM

Butterley Engineering

Details from John King Tel: (01246 863125)
From St.Pancras to the Falkirk Wheel. Visit a long established Engineering Company to hear about, and see, their approach to manufacture in the modern environment.

Derbyshire/Nottinghamshire events

Tuesday 10 October (18.30 for 19.00)

DN

Rolls-Royce Learning and Development Centre, Wilmore Road,
Derby DE24 8BJ (see map L)

Boeing 787 Dreamliner - A New Airplane for a New World

Kevin Bruce, Regional Director Marketing, BUKL London

An overview of the new Boeing 787 Dreamliner. The 787 is a totally new design which will transform the industry, offering significant benefits to the environment, a new era in passenger comfort and providing airlines a new benchmark in economic efficiency.

Contact Amin Al-Habaibeh Tel: (0115) 848 2564
Email: Amin.AL@ntu.ac.uk

Advanced Booking Essential

Friday 27 October

DN

Burton College, Lichfield Road, Burton upon Trent (Near Market Place)

Marine Gas Turbines - History & Future Development

David Branch, Chief Engineer MT30 Rolls-Royce

The talk will detail marine gas turbines. It will cover the History and Future development.

Contact Mike Jobson Email: mjobson@talk21.com

Friday 3 November

DN

Rolls-Royce - Group 1 10.30am - Group 2 2.30pm.
(Maximum Group Size 12)

Visit to Rolls Royce Engine Module Assembly

Aero Engines such as the Trent 800, which powers the Boeing 777 airliner or the RB211 family to which the Trent belongs, features modular construction in its design. That is to say, it is built up from a number of large assemblies known as "modules", each of which has its individual identity and service history.

The site tour will provide an opportunity observe first hand the assembly of the individual modules on large turbofan engines.

Advanced booking is required.

Contact Tawanda Munodawafa
E-mail: Tawanda.Munodawafa@Rolls-Royce.com

Tuesday 14 November (18.30 for 19.00)

DN

Novotel, Bostocks Lane, Long Eaton, Nottingham NG10 4EP
J25 M1, (see Map B)

Fuel Cells - Powering the future

Professor Nigel Brandon, Shell Chair in Sustainable
Development in Energy, Engineering, Imperial College.

Fuel Cells are emerging as efficient energy conversion devices for a wide range of applications ranging from battery replacement in laptop computers, through fuel cell engines for cars to fuel cell powered boilers for the home. The lecture will introduce the principles behind this technology, describing the range of applications for which fuel cells are being developed and review recent advances in the field.

Contact Amin Al-Habaibeh Tel: (0115) 848 2564
E-mail: Amin.AL@ntu.ac.uk

Tuesday 16 January (18.30 for 19.00)

DN

Novotel, Bostocks Lane, Long Eaton, NG10 4EP (see map B)

High Speed to St.Pancras - Completing the Channel Tunnel Link

Richard Jones, Public Affairs Manager, Union Railways

The presentation will briefly cover the objectives, organisation and concept of the Channel Tunnel Rail Link project and the engineering and operation of Section 1 in Kent, now operational before concentrating on Section 2 into St Pancras, currently nearing completion.

Contact: David Rhodes E-mail: david.rhodes@ntlworld.com

Tuesday 27 March (18.30 for 19.00)

DN

Rolls-Royce Learning and Development Centre, Wilmore Road,
Derby DE24 8BJ (see map L)

The London Underground, past, present and future?

Ian Robins, Head of Engineering Capability - Metronet
Alliance

The London Underground rail network is the oldest and the largest in the world, with 3 million daily passenger journeys. In order to maintain the rail transport services on a daily basis and to expand London's transport for future needs depends critically on technology and engineering disciplines.

Advanced booking is required.

Contact: Tariq Hussain Email:Tariq.hussain@atkinsglobal.com

Tuesday 1 May (18.30 for 19.00)

DN

The Novotel, Bostocks Lane, Long Eaton, Nottingham NG10 4EP
(see map B)

En route to T5 (Heathrow Terminal 5)

Tim Dawson - Project Director, Civil Engineering and Rick Staniforth, Mott MacDonald.

This £4.2bn project is already more than 75% complete, and remains on budget and on schedule to meet its 30 March 2008 opening date. The new £50m Air Traffic Control Tower is due to begin its working life in winter 2006. The talk will detail the major civil engineering works involved and details of the new underground link and station to serve T5.

Contact: Robin Smith: Tel: (01623) 490280

Email: jrobin.smith @ntlworld.com)

Thursday 10 May (Coach leaves Nottingham at 08.30)

DN

National Coal Mining Museum, Caphouse Colliery, New Road, Overton, Wakefield WF4 4RH

Visit to the National Coal Mining Exhibition

The Museum reflects 18th Century coal-mining. The visit includes all on service facilities and underground workings at the coal-face. (optional). The visit will take 3 to 4 hours.

Advanced booking is required.

Cost £12 including Coach and Entrance Fee, payment in advance. Closing date for booking 16th April 2007

Contact: Bob Reast. Tel: (0115) 933 3785. or Email Tony Lord:

tony.lord@niceic.com

June (Date to be confirmed)

DN

Ratcliffe on Soar Power Station, Ratcliffe on Soar NG11 0EE

Visit to Ratcliffe on Soar Power Station

See the environmental initiatives that have been implemented and planned for the future -

- 1) *Flue Gas Desulphurisation.*
- 2) *Low NOX burners*
- 3) *Boosted over firing air*
- 4) *Alternative fuels.*

Advanced booking is required.

Contact: Robin Smith
Tel: (01623) 490280
Email: jrobin.smith@ntlworld.com

Thursday 13 September

DN

Visit to Steel Rolling Mill

Cost £18 per head including Coach and Pub Lunch - payment in advance. Closing date for booking 20th August 2007.

Contact Jonathon Davies
Email: jon.davies@rolls-royce.com

Leicestershire events

Thursday 5 October (19.00 - Refreshments 18.30)

LE

Charles Wilson Building, University of Leicester LE1 7RH (map K)

LED Light Sources for Railway Signalling

Jim Wareing MIET - Technical Director, Signal House Ltd

Railway Signalling has relied on tungsten filament light sources for 150 years. Today LED light sources are in use on the West Coast Main Line.

Contact: Peter Holmes
Tel: (0116) 277 4534 Email: peterholmes@theiet.org

Tuesday 23 January (19.00 - Refreshments 18.30) LE

The Queens Building, De Montfort University LE1 9BH (Map N)

Computer Modelling in Multiple Dimensions - Experiences from the Construction Industry

Professor Ghassan Aouad, Head of Construction and Property Management, University of Salford

Have you ever wished you could get inside a problem? See it from all angles? Now you can. Professor Aouad will describe his work on an nD project which combines computer modelling, visualisation and simulation techniques with virtual reality, enabling building designs to be seen and tried by virtually walking through and around them. (Joint with BCS)

Contact: Terry Gooch. Tel: (01530) 838512

E-mail: awgoocht@tiscali.co.uk

Thursday 22 February (19:00 - Refreshments 18:30) LE

Charles Wilson Building, University of Leicester LE1 7RH (See map N)

CAN for Drive by Wire Systems

Dr Michael Short, Embedded Systems Laboratory, University of Leicester

Investigating Drive-by-Wire Applications using a Hardware in the loop testbed. Distributed embedded systems (DESSs) are highly complex, and understanding the implications of different design decisions - including the choice of programming language, system architecture and network protocol - is never straightforward. With the growing use of safety-critical DESSs, there is a pressing need to investigate the implications of these design choices. The talk will describe various key aspects of the ACCS testbed, including the vehicle models, "intelligent" drivers and a motorway simulation.

Contact: Mike Warrington Tel: (0116) 252 2561

Email: emw@le.ac.uk

Wednesday 2 May (15.00 to 17.15)

LE

The Henry Ford College, Ashby Road, Loughborough

East Midlands Innovation

EMESP and EES joint event with Schools and East Midlands Universities. EES celebration day & award of the Masters Prizes.

Contact: David Rhodes Tel: (0115) 9163155

Email: David.Rhodes@ntlworld.com

Wednesday 16 May (19.00 - Refreshments 18.30)

LE

The Queens Building, De Montfort University, Leicester LE1 9BH
(See Map N) Joint with BCS

Taming the Beast

Mark Crowne CEng CITP PMP, Principal Consultant Contact
to ContRact, Chair IET Management Professional Network

The "Beast" is people's resistance to the changes that you urgently need to make to beat the opposition and stay in the game. Drawing on lessons learned in the fiercely competitive market place of mobile phone handset development, positive and negative lessons from several projects are used to illustrate how a people oriented approach to planning and implementing change produces enduring value.

Contact: Peter Holmes Tel: (0116) 2774534

Email: peterholmes@theiet.org

Lincolnshire events

Wednesday 11 October (19.30 - Refreshments 19.00)

LN

R.M.S.C. Newark Road, Lincoln LN6 8RZ (see map H)

The Energy Review 2006

David Porter - Chief Executive, Association of Energy
Producers

Can electricity be greener, competitive and plentiful? Will the lights stay on this winter?

Contact Phil Hill - Tel: (01522) 583352

Email: phil.hill@siemens.com

Wednesday 22 November (19.30 - Refreshments 19.00) LN

R.M.S.C. Newark Road, Lincoln LN6 8RZ (see Map H)

The Diesel World Speed Record

JCP DIESELMAX Team

This is subject to a successful attempt on the diesel world speed record during the Summer of 2006.

Contact: Steve Elders - Tel: (01522) 880226

Email: steve.elders@greenray.co.uk

Monday 8 January (19.30) LN

Whittle Hall, RAF Cranwell, Lincoln NG34 8HB (see map Q)

Astor Integrated Project

Sq Ldr Michael Leaks

Contact: Bob Harris - Tel: (01400) 266409

Email: rharris@cranwell.raf.mod.uk

Wednesday 7 February (19.30 - Refreshments 19.00) LN

R.M.S.C. Newark Road, Lincoln LN6 8RZ (see map H)

Magnetic Computing

Professor Russel Cowburn

Contact: Tom Wiley - Tel: (01522) 584000

Email: tom.wiley@siemens.com

Wednesday 7 March (19.30 - Refreshments 19.00) LN

R.M.S.C. Newark Road, Lincoln LN6 8RZ (see map H)

Future of Global Positioning

Professor Terry Moore, University of Nottingham

Developments and Applications

Contact: Bob Taylor - Tel: (01522) 721831

Email: r.taylor22@ntlworld.com

Wednesday 11 April (19.30 - Refreshments 19.00) LN

R.M.S.C. Newark Road, Lincoln LN6 8RZ (see map H)

Renewable Fuels for Power Plant

Mike Cannon

Contact: Steve Elders - Tel: (01522) 880226

Email: steve.elders@greenray.co.uk

Wednesday 9 May (19.30 - Refreshments 19.00) LN

R.M.S.C. Newark Road, Lincoln LN6 8RZ (see map H)

The Ruston Car

Phil Hill

Contact: Phill Hill - Tel: (01522) 583352

Email: phil.hill@siemens.com

Northamptonshire events

Wednesday 22 November (19.00 - tea 18.30) NN

East Hunsbury Toby Carvery, Northampton NN4 0TG
(see map JA)

Predictive Maintenance using Infrared Thermography

Alan Casey - University of Northampton

Planning Maintenance Schedules for Machinery is never easy. Too frequent and resources are wasted and at the other extreme a costly breakdown occurs. This technique is used to give a real time to the schedule.

Contact: Terry Waterfield Tel: (01327) 312850

Email: tjwaterfield@theiet.org

Tuesday 13 March (19.00 - tea 18.30) NN

East Hunsbury Toby Carvery, Northampton NN4 0TG
(see map JA)

Electric Power Afloat - the restoration of the Mary Gordon

Tony Johns - Consultant

The Mary Gordon is the oldest surviving Victorian electrically powered pleasure launch in the UK. Such is her importance that she is on the National Register of Historic Vessels. The restored vessel will demonstrate past and present advantages of electricity for propulsion.

Contact: Terry Waterfield Tel: (01327) 312850
Email: tjwaterfield@theiet.org

Monday 23 April (19.00 - tea 18.30)

NN

East Hunsbury Toby Carvery, Northampton NN4 0TG
(see map JA)

Short Papers

Various Presenters - joint with Younger Members Section

Contact: Terry Waterfield Tel: (01327) 312850
Email: tjwaterfield@theiet.org

Peterborough Joint Panel

Tuesday 10 October (19.30)

PE

The Holiday Inn, Peterborough PE3 6SG (See Map G)

Sophisticated Small Satellites from Surrey

Dr Stuart Eves - Surrey Satellite Technology (SSTL)

The lecture will cover some of the highlights of the 26 missions SSTL have launched to date, including updates on the status of the most recently launched TopSat, Beijing 1 and Giove A missions. The future applications of small satellites including potential science, communications and Earth observation missions will also be discussed.

Contact: Phil Horder Email: philnix@hotmail.com

Tuesday 14 November (19.30)

PE

The Holiday Inn, Peterborough PE3 6SG (See Map G)

Nuclear Fusion

Chris Carpenter - UKAEA

The speaker will discuss "Fusion" as a possible component of a platform of new energy sources to address the problems of the security of energy supplies and climate change.

Contact: Kevin Durham Tel: (01604) 498752
Email: kdurham@hendrickson-intl.com

Tuesday 9 January (19.30)

PE

The Holiday Inn, Peterborough PE3 6SG (See Map G)

Global Warming - what an individual can do

Larry Curley - Mechanical Engineer

There are now daily analyses of the effects of Global Warming. They come from a multitude of sources - some logical - some passionate - many vested - many polarised. The presentation describes the speaker's attempt to rationalise this plethora of information, the conclusions made and the required strategy

Contact: Colin Langwade Tel: (07767) 795006
Email: colin@clangwade.freemove.co.uk

Tuesday 13 February (19.30)

PE

The Holiday Inn, Peterborough PE3 6SG (See Map G)

The JCB 444 Engine

Bob Wormersley - Chief Engineer JCB Power Systems

Bob Wormersley will discuss the development of to launch of the new JCB 444 Engine

Contact: Colin Langwade Tel: (07767) 795006
Email: colin@clangwade.freemove.co.uk

Tuesday 13 March (19.30)

PE

The Holiday Inn, Peterborough PE3 6SG (See Map G)

Water - a part of your life

Fred Davis, Senior Engineer, One Alliance Anglian Water,
Peterborough

Anglian Water are responsible for carrying out the multi-million ongoing improvement programme for East Anglia covering aspects of potable water supply to your taps and collection and treatment of waste water. The discussion will indicate some of the problems that need to be addressed when planning each improvement and keeping the existing plant working effectively.

Contact: Fred Davis Tel: (01733) 414142
Email: fdavis@anglianwater.co.uk

Tuesday 10 April (19.30)

PE

The Holiday Inn, Peterborough PE3 6SG (See Map G)

Outside Broadcast Vehicles

Ian Davis - Project Leader Sony BPE

Ian has designed outside broadcast units for organisations around the world. His talk will give an insight to what technologies and equipment currently are used to bring pictures and events into our homes. With the advent of Hi-def TV, the complexity and technical requirements places outside broadcast vehicles at the cutting edge of technology

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Committee and Officers of the East Midlands Local Network

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Student Counsellors

IET Student Counsellors are appointed in Universities and Colleges to act as a link between the students and the Institution. In particular, they can help those wishing to apply for Student Membership.

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Professional Registration Advisors

If you need any help in applying for Membership or Professional Registration, you can seek guidance and advice from senior members of the Institution who act in an honorary capacity to advise on membership applications. Please visit www.theiet.org/advice for your nearest advisor or telephone or telephone (01438) 765682 for further information.

Professional Registration Advisors who may be consulted in the Region are :-

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IET Industrial Representatives

IET Representatives are appointed in firms and organisations and groups of small companies, industrial/business parks with about 20 or more members or potential members of the Institution. IEE Representatives will be glad to assist not only with membership applications but also with other Institution matters.

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