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Bahraini electrical engineer in the Middle East is first to receive the IET Fellowship

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Press release

05 May 2009

A Bahraini female electrical engineer has been made a Fellow of the Institution of Engineering and Technology (IET), making her the first female Fellow in the Middle East.

Mariam Jumaan, director of public sector reform for the Economic Development Board (EDB), made a number of impressive developments and achievements throughout her 25-year career. She has been a driving force behind a number of utility projects in the Kingdom of Bahrain.

In 1983, Ms. Jumaan started her career with the Ministry of Electricity and Water in Bahrain as a trainee engineer. She later became a power systems studies engineer for 10 years, and in 1995, was appointed as an electrical engineering specialist by the office of Director, Electricity Transmission. The graduate from McGill University then became heavily involved in the preparation of load and energy forecasts for Bahrain, and was also responsible for preparing electricity transmission developments for the Ministry of Electricity and Water, which became her area of expertise. At the pinnacle of her career, when she was Director, Planning and Studies in the Ministry, Ms Jumaan was a key expert responsible for a number of major 220kV and 66kV transmission development projects for Bahrain.

Her remarkable work was recognised when she was appointed by the Economic Development Board (EDB) in Bahrain, to take on her current role as director of public sector reform. This involves implementing the National Economic Strategy (NES), across a number of ministries and other government organisations to ensure that the work done meets the requirements and the timelines of the NES.

Ms Jumaan, who was congratulated by the Crown Prince of Bahrain on her achievement, was delighted with the news. She said, "Getting the Fellowship of the IET was one of the most important milestones in my career. It is very satisfying seeing my work and achievements being recognised by my peers. It was a tremendous honour being congratulated by His Highness the Crown Prince because it meant that the country's leadership has also recognised this significant achievement. What has truly made this momentous was also finding out that I was the first female in the Middle East to receive the fellowship as I believe that in my own small way I have put Bahrain on the map."

This is not the first time that Ms Jumaan has gained such a prestigious status. In 2002, she became a Member of the Institution of Engineering and Technology (MIET) and a Chartered Engineer (C.Eng), making her the first Bahraini female electrical engineer to gain the status.

Media enquiries to:

Tracey Dawkins,
IET junior press officer
T: +44 (0)1438 767226
M: +44(0)7901812543
E: tdawkins@theiet.org

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3. The IET celebrates 100 years at its London home, Savoy Place, in June 2009 and will be staging a programme of centenary celebrations.

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Make IT Happy - Make IT snappy

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Press release

17 February 2009

The Make IT Happy competition - which is in its third year - is calling all pupils aged 9-11 to put their heads together and come up with a project that will put a broad smile on people's faces. Pupils are urged to use any type of technology, whether it's a video clip, a radio station or an interactive website. Judges are looking for a piece that demonstrates how they can change an aspect in their community, by making the most of the technology.

The Institution of Engineering and Technology (IET) has teamed up with Parliamentary Information Technology Committee (PITCOM) and e-skills in a bid to encourage primary school pupils in the UK and Northern Ireland to participate in a competition and make things happy. The competition is supported by a number of MPs including David Blunkett, who has just come on board.

The winning schools will be rewarded by cash prizes provided by the IET and the British Computer Society (BCS). A sum of £1,200 each will be awarded to nine English regions, Northern Ireland, Wales and Scotland. Deadline for entries is on 31 July 2009 - so make IT snappy!

IET chief executive Robin McGill welcomes the competition, as it gives children opportunity to unleash their creativity and talents using technology. He said, "Make IT Happy is all about making engineering and technology exciting for children. Through this competition, the children will gain a better understanding as to how technology has a big impact on our daily lives. The IET thrives to educate children about the different aspects of engineering and technology."

Media enquiries to:

Tracey Dawkins

Junior press officer

T: +44 (0)1438 767226

M: +44(0)7901812543

 E: tdawkins@theiet.org

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4. The IET operates IET.tv, a web TV service which covers a wide range of engineering and technology events and content. For more information, visit www.iet.tv.
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Winners for the d3o competition revealed

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Press release

24 February 2009

The results of the d3o competition have been revealed. The competition is part of the Faraday educational programme organised by the Institution of Engineering and Technology (IET).

The d3o competition encourages school age children to unleash their creativity by coming up with an existing or innovative idea that could utilise the properties of d3o.

d3o - invented by British engineer Richard Palmer - is a specially engineered material made with intelligent modules that flow as you move but lock back together to absorb the shock of impact. The material has been used in array of products - from kneepads to ballet shoes and footballs.

Each entrant demonstrated how d3o would be an ideal material to use for their product and how the it is marketable to their targeted audience.

The lucky winners received £500 for sports equipment and a Nintendo Wii and games pack. Congratulations to Chan Kok Yau and Chan Kok Wai, from Malaysia, who thought of turning d3o into "rock shoes". This innovative product will make rock climbing easier.

Yaolin Zheng, from Oxfordshire in the UK deserved praise as the entrant came up with producing a "snug guard": a mouth guard with a difference, as it gives protection and comfort.

The runners up didn't walk away empty handed: they received a Nintendo Wii and games pack. The runners up were:

Sarah Connet from Newcastle-Upon-Tyne, who came up with the idea of "The d3o car".

Students Emily Davis and Katherine Waite, from Lincoln, put their heads together and came up with the "ultimate animators' mouse for computers." This computer hardware will make computer-users' lives easier, as it is ultra-sensitive and more user-friendly.

AV Sohith Kumar, from Andhra Pradesh, India came up with different d3o products, including a laptop cover, wrist watch and a bed.

Year 7 students Alex Bulley, Fergus Johnson and George Kirby, from Dorchester had "d3o wrap" in mind. The purpose of this shock-absorbent wrap is to protect any item.

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 Junior press officer
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5. The IET celebrates 100 years at its London home, Savoy Place, in June 2009 and will be staging a programme of centenary celebrations.
6. The IET publishes a range of publications, including *E&T*, *Flipside*, *Electronics Education*, *Student and Young Professional*, a range of journals and the Inspec Database.

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Age 14-19 Diploma: so far, so good – but no room for complacency

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Press release

22 April 2009

A report by the Royal Academy of Engineering (RAEng) reveals the progress of the age 14-19 Diploma in Engineering. The report will be featured in the first edition of Engineering and Technology Education (ETe) magazine, published by the Institution of Engineering and Technology (IET).

Professor Matthew Harrison, the director of education programme at Royal Academy of Engineering (RAEng), compiled the diploma report, seven months after its launch. The outcome: so far, so good, but there's no room for complacency. This statement rings true, as nine out of ten young people are dropping science after their GCSEs.

The report also reveals that a high percentage of young people who are qualified for engineering degree courses do not choose to study the subject at university. This is possibly as high as 40,000 students a year.

Professor Harrison states in the report that the 14-19 diploma is 'the best chance of attracting young people into engineering' as it provides 'hands-on' experience as well as making young people aware of how engineering works as a sector of economy.

In order for the diploma to make a big impact on young people, the RAEng recommended that there must be better communications between diploma consortia members, expertise should be used within the consortia effectively and an application-based approach must be adopted when teaching maths. The RAEng is currently managing the London Engineering Project (LEP) on behalf on the Higher Education Council. Many of the schools involved in the LEP are now involved in the engineering diploma.

The IET has also supported the delivery of the diploma, by producing materials for its Faraday educational programme in the hope of encouraging children to take an interest in engineering.

Not everyone is in favour of the vocational qualification. Since the Government launch the diploma in 2008, it has been ill-received by critics, stating it undermines the high standards of the traditional qualifications.

Roger Dettmer, editor of E&Te Education disagrees with the critics. He is confident that the Diploma in Engineering has the potential to encourage more young people to follow a career in the sector. He added, "This report provides an insider's perspective on what teachers now need to do to make the diploma a success."

The diploma report will be available next month in the first edition of E&Te Education.

Media enquiries to:

Tracey Dawkins,
 IET junior press officer
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 M: +44(0)7901812543
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Are you the next top female engineer?

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Press release

02 July 2009

Are you a female engineer who has made an outstanding contribution within the engineering profession?

The Institution of Engineering and Technology (IET) is calling all top female engineers to enter the 2009 Young Woman Engineer of the Year competition.

Now in its 32nd year, the competition seeks the very best female engineers that the UK has to offer. Whether you're a graduate or an apprentice, you can apply.

The winner will receive a cheque for £1,000 plus a certificate and an engraved trophy at a national prize-giving ceremony, at Savoy Place – the London home of the IET, on 1 December 2009. The winner will also become an ambassador for the profession, representing women in the engineering and technology industry and acting as a role model to encourage others to consider engineering as a career choice.

The runners-up do not walk away empty-handed. The Women's Engineering Society (WES) Prize acknowledges the most outstanding female graduate engineer. This award includes a cheque for £500 plus a certificate and an engraved trophy.

The Mary George Memorial Prize recognises the most exceptional female apprentice who has gone beyond her normal duties. The winning apprentice will receive a cheque for £750 plus a certificate and an engraved trophy. She will be invited to participate in high profile events throughout the year.

Hanna Sykulska, an electrical engineer from Imperial College, London, was the winner of the 2008 Young Woman Engineer of the Year awards. She has made many television and radio interviews for the BBC. Hanna also had the pleasure of giving interviews for national newspapers, such as the Telegraph, as well as attending some of the IET's most prestigious events, including the IET annual dinner. Through these events, Hanna had the chance to mix with the most influential people within the science, engineering and technology community.

Hanna said, "I was very excited to have won this important award. I see it as a great chance to challenge people's thoughts about what it is that engineers do and by showing them some of the exciting work that goes on in the field to encourage young people to consider it as a career."

The 2009 IET Young Woman Engineer of the Year Awards are kindly sponsored by: E.ON, GCHQ, Molson Coors, Royal Air Force, RS Components and Scottish Power.

To apply or find out more about this prestigious competition, please visit: [The Young Woman Engineer of the Year Awards website](#)

Deadline for applications: 31 July 2009.

Media enquiries to:

Tracey Dawkins,
IET junior press officer
T: +44 (0)1438 767226
M: +44(0)7901 812543
E: tdawkins@theiet.org

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Figures reveal the demand to Make IT Happy

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Press release

29 April 2009

As the Make IT Happen competition enters its third year, increasingly more primary schools across the UK and Northern Ireland are participating in the technology challenge. Registration figures have already more than doubled since last year.

Make IT Happen is aimed at pupils aged 9-11. This year's theme, Make IT Happy, encourages participants to put a smile on people's faces by fully utilising technology. The competition is run by the Parliamentary Information Technology Committee (PITCOM), in partnership with e-skills UK. Winning schools will receive a cash prize from the Institution of Engineering and Technology (IET) and the British Computer Society (BCS).

Judges including representatives from Google, BBC, IBM and BT will be looking for original ideas about how students would use IT to make people smile.

Registrations to the competition have more than doubled already this year, with three months left to enter. Registrations from schools in Scotland have increased by more than a third, and Northern Ireland has seen a five-fold increase. Registrations have been steady in Wales and all the English regions, and the number of MPs supporting the competition has also improved this year.

e-skills UK has been overwhelmed with the number of entries and say that the early interest in the competition indicates it will be more exciting than ever this year.

Media enquiries to:

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IET junior press officer
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High hopes to promote engineering

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Press release

31 July 2009

A professor from the University of York is hoping to hit new heights in his quest to promote engineering to the general public.

John Robinson, a member of the Institution of Engineering and Technology (IET) and chairman of the Vision and Imaging Network, will be making an appearance on the Fourth Plinth in Trafalgar Square. It is part of artist Anthony Gormley's One and Other project, which video streams events continuously for 100 days, starting from the 6 July to 14 October 2009.

During his 60 minute appearance, professor Robinson, the head of electronics at York, will give a presentation entitled 'Engineering, Image and Art' where he will share his enthusiasm for engineering and demonstrate how it is changing the world. He will give examples from across electronic engineering with brief excursions into other topics including psychology, art and music.

Professor Robinson is excited about this event. He said, "It is important that academics and engineers take every opportunity to engage with the public, explain the research and development we do and how it can solve the problems we face.

"I hope the lecture will be informative but entertaining too. One and Other is a great opportunity to be part of an unique project while doing something I really enjoy and am passionate about."

Professor Robinson will appear on the Fourth Plinth on 4 August 2009 at 7am

To watch the lecture, visit <http://www.oneandother.co.uk>

Media enquiries to:

Tracey Dawkins,
 IET junior press officer
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Discovering the world of mysteries with CERN's Large Hadron Collider

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Press release

08 April 2009

For years, the world's largest particle physics laboratory, CERN has had the support of engineers and physicists all over the world investing time and effort in designing and constructing what is described as the world's largest experiment.

The Large Hadron Collider (LHC) has been built to study the smallest components of the universe. From previous experiments, physicists have extensive knowledge about these components, which act as the 'building blocks of nature'. Although they have the knowledge, there are more mysteries to discover and far more to understand.

The Institution of Engineering and Technology (IET) has teamed up with the Institute of Physics (IoP) for a 'free to attend' lecture, in the hope of shedding light on some of the mysteries.

Speaker Lyn Evans - an expert in particle accelerators - will describe some of the technical innovation and challenges in the LHC design and construction. For over 30 years, Mr Evans has been at the forefront of the development of the world's most powerful accelerators and has led the design and construction of the LHC at CERN since 1994.

Lyn said, "The LHC is the largest and most sophisticated scientific instrument ever built. It incorporates many novel design features that will be of interest to scientists and engineers in other fields."

Particle Physicist Tara Shears will talk about some of the outstanding discoveries and pose questions on particle physics.

Dr Shears - also a lecturer at University of Liverpool - will be asking the three most pressing questions: the question of mass and our search for the Higgs boson. The Higgs boson - also known as the 'God particle', is the only particle that has not yet been observed. Dr Shears will also question the problem of the antimatter and the search for dark matter.

This subject is a great passion of Dr Shears, as she started her scientific career in 1991, by doing a PhD in particle physics at the University of Cambridge. There, she analysed data from the OPAL experiment and measured the lifetime of one fundamental particle - the bottom quark.

"What's so exciting about the LHC is that it really will take us on a voyage into the unknown. We know that there is much to understand about the universe, and why it looks the way it does. We also know that our theories which describe the universe, good though they are, don't describe or explain everything about it. To understand more, we need to look at what was going on in the earliest moments of the universe, and that's what the LHC will help us to do. We don't know what we'll find, but whatever we see will let us understand the universe better."

The event takes place at Savoy Place - the London home of the IET - on the 19 May 2009. It commences at 18:00hrs.

Media enquiries to:

Tracey Dawkins
Junior press officer
T: +44 (0)1438 767226
M: +44(0)7901812543
E: tdawkins@theiet.org

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Are you what we're looking for?

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Press release

01 April 2009

Calling all students and young professionals in engineering and IT! It's that time of the year when the Institution of Engineering and Technology (IET) is on the look out for the best up-and-coming engineers.

The IET Ambition Awards programme has a lot to offer; it includes a range of awards and prizes, as well as scholarships for undergraduate and postgraduate students.

So if you're looking for extra finance during your time at a University in the UK or Ireland or interested in winning a trip around the world by entering our Write Around the World Competition, then why not apply?

For details on how to apply visit: www.theiet.org/ambition. The deadline is 20 April for postgraduate awards and 30 June for undergraduate awards and competitions.

The IET Ambition Awards are sponsored by: E.ON, BP, Pace, Lockheed Martin, EDF Energy and BAE Systems.

Media enquiries to:

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Could this be the invention that beats breast cancer?

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Press release

01 July 2009

An invention that could detect cancer at an early stage, potentially saving millions of women's lives worldwide, has been entered into the IET Innovation Awards 2009.

The invention, 'named in-vivo determination of a breast tumour', has been entered into the Measurement in Action category by a team of experts in New Zealand.

In current research, simple tests have been carried out using breast models. The technique uses low power microwave signals, which are safe and harmless, to detect breast tumours in their early stages.

The research has been a huge success. Early results have been promising, confirming that the developed solutions are working well. The person behind this innovative invention, Dr Galkadowite G. Senaratne, plans to carry out clinical experiments in the future, as the research is currently at the prototype development stage.

Dr Galkadowite G. Senaratne, whose research interests are microwave detection, published the latest research of this project in the IET International Journal on Science, Measurement and Technology (Vol. 3, Issue 2) in March 2009.

After working in the telecommunications industry in Sri Lanka, Mr. Senaratne emigrated to New Zealand in 2001, where he worked for OSCMAR International and Keam Holdem Associates in Auckland. In 2002, he started teaching at Massey University, where he completed his PhD on 'Microwave signal processing for foreign object identification'.

Dr G. Senaratne, an IET member said, "The work in the thesis and associated publications adapts the inverse scattering methodology to determine the size and position of the tumour. By interpreting and measuring the scattered reflected wave from a known incoming microwave field, these key attributes can be determined using advanced mathematical methods."

The IET Innovation Awards reward the most outstanding innovations within the science, engineering and technology community. These prestigious awards cover fifteen categories: Asset Management, Built Environment, Electronics, Emerging Technologies, Information Technology, Measurement in Action, Power/Energy, Product Design, Security, Software in Design, Start-Up, Sustainability, Team, Telecommunications and Transport.

The IET Innovation Awards are free to enter, currently open for entries, and is kindly sponsored by: ABB, Halcrow Yolles, National Grid, National Physical Laboratory, The MathWorks, Areva, T&D and Orange Labs.

For more information, visit [The Innovation Awards website](#)

Deadline for entries: 31 July 2009.

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M: +44(0)7901 812543
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Great tips for engineers in the latest Drives and Control handbook

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Press release

20 August 2009

The Institution of Engineering and Technology (IET) has published the second edition of The Control Techniques Drives and Control Handbook.

The handbook - launched in July - replaces the previous edition published in 2001. Written by professor Bill Drury, this useful handbook offers practical information for industrial and drives engineers and is a reference book to students who are looking to enter the drives and controls industry.

The book includes sections on the basics of electromagnetic and motor theory, power semiconductors, functional safety and control. The structure of the 750 page handbook has been redesigned into four parts to make it easier to read.

- Part A: Drives types and core technology;
- Part B: The drive in its environment;
- Part C: Practical applications;
- Part D: Appendices.

Professor Drury has spent 18 years working as a technical director for Control Techniques, a leader in intelligent drives and drives systems. He is also a visiting professor at the University of Bristol.

Professor Drury said, "The book aims to provide a practical insight into motor and drive systems. The scope includes basic theory and characteristics, through key components and practical limitations to the interactions the drive has on, for example the power supply, as well as looking at how motor and drive systems can be applied and optimised."

For more information about this book, please to go [The Control Techniques Drives and Control Handbook](#) web page.

Media enquiries to:

Tracey Dawkins,
 IET junior press officer
 T: +44 (0)1438 767226
 M: +44(0)7901 812543
 E: tdawkins@theiet.org

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High hopes to promote engineering

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Press release

31 July 2009

A professor from the University of York is hoping to hit new heights in his quest to promote engineering to the general public.

John Robinson, a member of the Institution of Engineering and Technology (IET) and chairman of the Vision and Imaging Network, will be making an appearance on the Fourth Plinth in Trafalgar Square. It is part of artist Anthony Gormley's One and Other project, which video streams events continuously for 100 days, starting from the 6 July to 14 October 2009.

During his 60 minute appearance, professor Robinson, the head of electronics at York, will give a presentation entitled 'Engineering, Image and Art' where he will share his enthusiasm for engineering and demonstrate how it is changing the world. He will give examples from across electronic engineering with brief excursions into other topics including psychology, art and music.

Professor Robinson is excited about this event. He said, "It is important that academics and engineers take every opportunity to engage with the public, explain the research and development we do and how it can solve the problems we face.

"I hope the lecture will be informative but entertaining too. One and Other is a great opportunity to be part of an unique project while doing something I really enjoy and am passionate about."

Professor Robinson will appear on the Fourth Plinth on 4 August 2009 at 7am

To watch the lecture, visit <http://www.oneandother.co.uk>

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IET Young Woman Engineer of the Year is crowned

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Press release

04 March 2009

The winner was announced last Thursday (26 February 2009) at the IET Young Woman Engineer of the Year award ceremony. The annual award is organised by the Institution of Engineering and Technology (IET) and sponsored by BT, the Women's Engineering Society (WES) and Premier Farnell.

Hanna Sykulska is the winner of the Young Woman Engineer of the Year 2008. The 26-year-old was lost for words when she was named the winner. Hanna will become an ambassador for the profession, as well as receiving a glass trophy and a cheque for £1000.

After the initial shock, she said, "I am really delighted to win such a prestigious award. It's a great honour and privilege and I look forward very much to sharing my experiences as an engineer and hope to inspire many talented young women to enter this exciting field."

Hanna, from Oxford, has been working at Imperial College Electrical Engineering Department for four years. The winner of the IET Write Around the World 2006 competition, also worked on the Phoenix NASA mission as an instrument downlink engineer. She was the youngest member of the team. Away from work, Hanna enjoys ballroom dancing at a competitive level. This is a hobby that Hanna takes very seriously, as she competes between six to seven times a year.

Bijal Thakore, from Rayners Park, South West London was awarded the WES Prize. She received an engraved trophy, a certificate and a cheque for £500.

Bijal said, "Young people - both men and women alike - are contributing to the advancement of engineering, science and technology in our society in more ways than ever before and are moving engineering away from the professional stereotypes. Being recognised for this is a great honour. I love waking up every day to solve challenges for LEGO's B2B applications team that combines solutions in engineering, technology as well as social behaviour and hence, being able to break the traditional silos in which different sectors operate."

The 27-year-old's passion for engineering has presented ample opportunities. Bijal obtained a placement with Rolls Royce Defence (a leading jet engine manufacturer), while she was at university. Her career took a flying start at AIRBUS, working as a composite research trainee engineer. She is now global client development and technical consultant at LEGO Systems in London and Denmark. Her achievements go way beyond her technical skills: Bijal completed the half marathon in Strasbourg in 1.5 hours and is set to cycle from Vietnam to Cambodia in eight days during February 2010.

Elaine Hislop was the winner of the WES Doris Gray Award. She received an engraved trophy, a certificate and a cheque for £500.

She said, "It is great to be even nominated for the award, let alone to win it! I am also delighted to be able to be a face for women engineers within the industry and show that we are here to stay. I am also proud to represent the company that I work for - BVT Surface Fleet - which shows that we are not a dying trade."

The 21-year-old Glaswegian works as a technical apprentice at BVT Fleet, the UK's leading provider of surface warships. In the first year of the apprenticeship at Anniesland College, Elaine certainly raised a few eyebrows: she won the Hammermen Award for Anniesland College. In her free time, Elaine loves to push herself to the limit by going to the gym. When she does find the time to relax, Elaine likes to catch up with friends.

Laura Campbell was over the moon when she received a special prize for Merit. She received an

engraved trophy, a certificate and a cheque for £400.

She said, "It's good to see that engineers get the recognition from such a prestigious award. Engineering has a huge impact on their daily lives and it is rare that the people behind the technology receive the credit that they deserve. It's also good that my family and friends attended the ceremony, to see what my job really entails."

The 25-year-old from Glasgow has just completed a two-year graduate programme at BVT Surface Fleet. Now the 25-year-old is the lead mechanical engineer within Concepts and Assessments. This position challenges Laura to come up with innovative solutions for new ship propulsion designs as well as liaising with designers of main propulsion equipment. When it comes to interests, Laura does not do things by halves. She loves to travel extensively throughout Europe, Scandinavia, North and South America

Katie Lester was all smiles when she received the Mary George Memorial Prize for Apprentices. The 20-year-old from Stanford, Essex is currently doing her apprenticeship with RWE npower, where she is learning from some of the best people in the industry. Katie proved that she is a talented engineer, as she was awarded RWE npower Apprentice of the Year in 2007. Away from engineering, Katie is a keen sportsperson, as she currently plays for three netball teams. Katie is currently training for the London Marathon in 2010, raising money for cancer research.

Katie said, "To win such a prestigious award, is absolutely amazing. I feel honoured, and look forward to busy year helping to promote apprenticeships and engineering to others."

Kate received an engraved trophy, a certificate and a cheque for £750.

The IET Young Woman Engineer is an annual competition, which seeks for UK's most charismatic female engineer under the age of 30.

Media enquiries to:

Tracey Dawkins
Junior press officer
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M: +44(0)7901812543
E: tdawkins@theiet.org

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Last call for built environment innovations

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Press release

15 July 2009

Innovation in the built environment has never been more important. Meeting today's challenges will require imagination, initiative and leadership – the classic attributes of engineers.

That's why the IET is making a final call for entries for built environment inventions to enter the 2009 Innovation Awards. The IET Innovation Awards recognise world-class inventions in the science, engineering and technology field. The winners will be announced at the IET awards ceremony at Lord's Cricket Ground on 25 November 2009. The awards will be presented by former Tomorrow's World presenter Philippa Forrester. Judges will be looking for creativity and most importantly originality.

Halcrow Yolles, the sponsor for the Built Environment category said, "The UK government is leading the world by introducing binding legislation and targets to reduce energy and CO2 emissions and to improve the efficiency of buildings. The IET Innovation plays an important role, as it seeks for first-class inventors who have the fundamental skills to achieve these ambitious targets."

If you are involved in a project that fits the requirements of the built environment category, please visit [The Innovation Awards website](#) and enter today. Your invention may well get the international recognition it deserves.

We also want to hear from people who are working on projects in the following categories:

- Asset management
- Team
- Security
- Software in design

Time is ticking, as the deadline for entries is 31 July 2009. The IET Innovation Awards 2009 are free to enter and are kindly sponsored by: ABB, Halcrow Yolles, National Grid, National Physical Laboratory, The MathsWorks, Areva, T&D and Orange Labs.

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Master the Art of effective communication

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Press release

18 August 2009

The Institution of Engineering and Technology (IET) has published three books in its Management of Technology Series which provide solutions to help not only novices who are entering the world of business but also experienced professionals who may be looking for a new approach.

The most recently published title, *Effective Team Leadership for Engineers* is a must for engineers who have just, or will soon, become team leaders. It also offers extensive guidance for experienced team and project leaders who are looking to brush up their skills and knowledge.

How to Build Successful Business Relationships offers advice and guidance on how to be a successful networker, by developing valuable connections and maintaining professional relationships. This book includes a step-by-step checklist for success, making it possible to become an excellent networker.

The Art of Successful Business Communication provides the solution to miscommunications. The book sets out practical guidelines to help the reader turn complex topics into clear and informative messages, which are engaging to the audience. Chapters include speaking successfully 'on your feet' at presentations and making the most of telecommunications.

Co-author of *Effective Team Leadership for Engineers*, Pat Wellington specialises in leadership, team building and personal effectiveness. She has worked with engineers and technical staff across a broad range of industry sectors in the UK, Europe and South East Asia and helped bring tangible results not only in building skills and competencies but also in terms of increased productivity and profitability.

Ms Wellington said, "What we have aimed to do is to keep the copy in the book simple, and clear of management speak and jargon. There is sufficiently robust information for engineers to be able to dip in and out of the book, in order to have guidance in handling a range of situations in managing their team – this includes motivation, induction and appraisal, and conflict management."

For further information, please see our [Management of Technology](#) books web page

Media enquiries to:

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 IET junior press officer
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Scottish school wins engineering competition

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Press release

10 March 2009

Pupils from Lenzie Academy in Scotland were celebrating last Thursday (5 March) as they won the Institution of Engineering and Technology's (IET) Faraday Engineering Challenge Final at the Big Bang fair in London.

The Scottish school received a trophy, places on a three day Smallpeice Trust course plus £1000 towards science, design and technology, and maths equipment.

Each team had to use their knowledge and understanding of science, design and technology and maths to respond to the challenge and produce a table tennis server. They were assessed both on the quality and accuracy of their product and on a final presentation illustrating learning outcomes.

Andrew McCormack from Lenzie Academy was in complete shock. He said, "I didn't expect our team to win. I can't tell how I feel about winning."

Teachers, Mr. Shearer and Mrs. Melvin, were extremely proud of the pupils' achievements and were looking forward to breaking the news to the staff and pupils at Lenzie Academy.

Monmouth Comprehensive School and Newbridge Comprehensive School, both in Gwent, also took part in the Faraday Challenge Finals.

Marisol Collier, from Monmouth Comprehensive School said, "It's been a great experience. The fact that we made it to the finals is a big achievement. I had a lot of fun, which I didn't expect. Engineering is so exciting - the whole experience has definitely changed my opinion."

Jessica Sweeney from Newbridge Comprehensive School said, "It has been fun doing this challenge. When we were making the product, we had to take every small detail into account. This is good, as I now have a broader understanding of engineering."

The final was the culmination of 30 IET Faraday Challenge Days involving 180 schools, which were organised by the IET.

Jan Stapleton from the IET said, "These teams were amazing; their responses to a difficult challenge illustrated excellent skills and sound understanding of scientific principles. This initiative demonstrated that learning in an applied context can produce wonderful results. Congratulations to the winners and to all the schools who took part in the Challenge Days - well done!"

Media enquiries to:

Tracey Dawkins
 Junior press officer
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Searching for the best in engineering

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Press release

01 April 2009

Do you know an outstanding engineer whose work deserves recognition? Point out their great work to us by nominating them for an Achievement Award from the Institution of Engineering and Technology (IET)!

The IET is on the hunt to find individuals who have made eyebrow-raising contributions within the science, engineering and technology fields.

The IET Achievement Awards reward the exceptional achievements of professionals who have made remarkable contributions in their workplace. Anyone can nominate or be nominated, regardless of nationality or country of residence and they don't need to be an IET member.

So if you want to nominate someone for an award, submit your nomination by Friday, 29 May 2009. The winners will get the chance to attend the awards ceremony at Lord's Cricket Ground in London, where they will receive a prestigious award.

The awards are sponsored by E.ON, BP, Pace, Lockheed Martin, EDF Energy and BAE Systems.

For more information, visit www.theiet.org/achievement

Media enquiries to:

Tracey Dawkins,
 Junior press officer
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Talks of modernising motorways

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Press release

23 March 2009

Engineers will have the chance to discuss developments and the future of British motorways at a prestigious lecture organised the Institution of Engineering and Technology (IET).

The Sir Henry Royce Memorial Lecture 2009 entitled, "50 Years of Motorways-managing and modernising" will be presented by Derek Turner, the director of network operations for the Highways Agency.

He will plot the course and development of motorways over time, before looking at the future responses to increased congestion and the nation's increasing reliance on them. Mr. Turner will also outline his vision of how to achieve a more efficient and better maintained system, and the vital role technology has to play.

Mr. Turner made major changes to road and street developments in London. As the director of Transport for London Street Management, he oversaw the creation of the London Traffic Control Centre and the major re-design and pedestrianisation of Trafalgar Square. He was also responsible for the design and the introduction of the congestion charging scheme. He was awarded a CBE in 2003 for his services to transport in London.

In April 2005, Mr. Turner joined the Highways Agency where he has led a new era of traffic management. He has a critical role in leading teams who operate, manage and maintain over £85 billion of public assets for road users.

He said, "I am delighted to be giving this year's Sir Henry Royce lecture. Motorways are the arteries of our nation's economy. As engineers we owe much to our predecessors and have a duty to manage and operate their legacy for the benefit of future generations."

The lecture will take place on 26 March 2009, at Savoy Place - the London home of the IET. It commences at 18:00hrs.

Media enquiries to:

Tracey Dawkins

Junior press officer

T: +44 (0)1438 767226

M: +44(0)7901812543

E: tdawkins@theiet.org

Notes to editors:

1. Journalists who wish to attend the event, please contact Tracey Dawkins.
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The finalists of Young Woman Engineer of the Year are revealed

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Press release

20 February 2009

Here's the news that we've all been waiting for: The Institution of Engineering and Technology (IET) is about to reveal the names of the finalists for the Young Woman Engineer of the Year 2008.

After going through a rigorous interview process, the selected five candidates were short listed, as they demonstrated remarkable achievements and contributions in the engineering industry.

Young Woman Engineer is an annual competition, which seeks the UK's most charismatic female engineer under the age of 30. The winner will receive a cheque of £1000 and will become an ambassador for the profession - being a role model to female students. The runners up do not walk away empty handed: they will each receive a special prize. These include two awards presented by the Women's Engineering Society, and the Mary George Prize for an engineer who has followed an apprentice route.

The winner will be announced on the 26 February 2009 at the BT Centre. Young Woman Engineer of the Year 2008 is sponsored by BT, the Women Engineering Society (WES) and Premier Farnell.

The finalists are:

Katie Lester

The 20 year old from Southend, Essex is currently doing her apprenticeship with RWE N-Power, where she is learning from some of the best people in the industry. The apprentice proved that she is a talented engineer, as she was awarded RWE N-Power Apprentice of the Year in 2007. Away from engineering, Katie is a keen sportsperson, as she currently plays for three netball teams. Katie is currently training for the London Marathon in 2010, raising money for cancer research.

Elaine Hislop

The 21-year-old Glaswegian works as a technical apprentice at BVT Fleet, the UK's leading provider of surface warships. In the first year of the apprenticeship at Anniesland College, Elaine certainly raised a few eyebrows: she beat other apprentices from other companies and won the Hammermen Award for Anniesland College. This award was achieved through an application and interview process. In her free time, Elaine loves to push herself to the limit by going to the gym. When she does find the time to relax, Elaine likes to catch up with friends.

Hanna Sykulska

The 26-year-old from Oxford has been working at Imperial College Electrical Engineering Department for four years. The winner of the IET Write around the World 2006 competition also worked on the Phoenix NASA mission as an instrument downlink engineer. She was the youngest member of the team. Away from work, Hanna enjoys ballroom dancing at a competitive level. This is a hobby that Hanna takes very seriously, as she competes between six to seven times a year.

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Laura Campbell

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