

# IET Awards and Scholarships 2015



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# Introduction

## The Institution of Engineering and Technology Awards

With a heritage reaching back over 140 years and nearly 160,000 members spanning 127 countries, the IET is well placed to support the engineers and technicians who share our vision: **working to engineer a better world.**

The IET Awards programme is at the core of the activities that will deliver the IET's vision, by underpinning our mission: **to inspire, inform and influence the global engineering community, supporting technology innovation to meet the needs of society.**

The programme includes awards for individual excellence, pioneering research, scholarships, travel awards, prizes and competitions. We also recognise the most innovative companies and the best new innovations across the world.

In 2014, the IET provided over £1 million in awards, prizes and scholarships, to celebrate engineering excellence and inspire the next generation of engineers and technicians. With the support of our partners, we hope to continue or exceed this level of support in the future to create an even bigger impact.

Entries and nominations for the IET Awards are assessed by panels and committees of the IET's volunteers and partners. Finalists and winners have opportunities to receive their awards at prestigious awards ceremonies or other suitable events. We publicise winners and finalists and provide many opportunities for them to get involved in networking events and ambassadorial roles to inspire the next generation.

I hope you will find this booklet useful and help recognise and promote the very best talents from the engineering profession to a global audience – so please enter yourself or nominate someone you know for an IET Award in 2015.

**Nigel Fine BSc MBA CEng FICE FIET**

Chief Executive and Secretary  
The IET

# Key Dates 2015

## Deadlines for Entry

- **NEW:** IET Tubbs Family Blaenau Gwent Scholarship – **30 January**
- Postgraduate Scholarships – **9 April**
- Achievement Awards – **29 May**
- Apprentice and Technician Awards – **29 May**
- Undergraduate Grants – **25 June**
- Young Woman Engineer of the Year Awards – **26 June**
- Innovation Awards – **3 July**
- Undergraduate Scholarships – **27 August**

## Award Ceremonies

- IET A F Harvey Engineering Research Prize Lecture – **21 May**
- The IET Achievement Awards Ceremony – **November**
- The IET Innovation Awards Ceremony – **November**
- Young Woman Engineer of the Year Awards Ceremony – **December**



## Follow us Online

### Via social media

 @IETAwards

 [www.youtube.com/theiet](http://www.youtube.com/theiet)

### Young Woman Engineer of the Year

 [www.facebook.com/TheIETWomensNetwork](http://www.facebook.com/TheIETWomensNetwork)

### Present around the World

 [www.facebook.com/patw.iet](http://www.facebook.com/patw.iet)



## Visit our Websites

Achievement Awards [www.theiet.org/achievement](http://www.theiet.org/achievement)

Apprentice and Technician Awards [www.theiet.org/apprentice-awards](http://www.theiet.org/apprentice-awards)

Scholarships [www.theiet.org/scholarships](http://www.theiet.org/scholarships)

Diamond Jubilee Scholarships [www.theiet.org/diamond](http://www.theiet.org/diamond)

Young Woman Engineer of the Year Awards [www.theiet.org/ywe](http://www.theiet.org/ywe)

Innovation Awards [www.theiet.org/innovation](http://www.theiet.org/innovation)

Present around the World (PATW) [www.theiet.org/patw](http://www.theiet.org/patw)

IET A F Harvey Engineering Research Prize [www.theiet.org/harvey](http://www.theiet.org/harvey)

# IET Accreditation

All applicants for IET Undergraduate Scholarships and Grants, including IET Diamond Jubilee Scholarships, must be on an IET accredited Bachelor's or MEng degree programme.

The IET accredits approximately 1,400 degree programmes in over 80 UK universities across a diverse spectrum including electrical, electronic, manufacturing, mechanical, systems and software engineering and specialist areas such as bioengineering, nanotechnology and renewable energy.

## Benefits of IET accreditation:

- provides evidence of an independent and rigorous assessment by a recognised and trusted third party
- supports graduate employability by ensuring programmes are responsive to industry needs
- links programmes to the requirements for registration as an Incorporated or Chartered Engineer
- provides formal recognition for UK degrees in a large number of countries through various international accords.

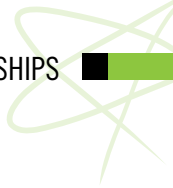
## Is my programme IET accredited?

A list of IET currently accredited programmes can be found on our website [www.theiet.org/academics/accreditation/](http://www.theiet.org/academics/accreditation/) and a searchable database of all accredited programmes (including IET accredited) is available at [www.engc.org.uk/education--skills/accreditation/accredited-course-search](http://www.engc.org.uk/education--skills/accreditation/accredited-course-search)

Please note that the absence of a particular programme from the list should not be taken to imply disapproval. The absence of IET accreditation could mean that the programme is going through the re-accreditation process, that the university has not invited the IET to accredit the programme or that it is accredited by another professional body.

**However, if your degree course has not been accredited by the IET, you will not be eligible for an IET scholarship.**

[www.theiet.org/accreditation](http://www.theiet.org/accreditation)



# Undergraduate Scholarships:

## IET Tubbs Family Blaenau Gwent Scholarship

This scholarship has been kindly donated by IET Member Mr Graham Tubbs to make engineering education more accessible to qualified Welsh students who might not otherwise have the means.

### Criteria

To be eligible for an IET Tubbs Family Blaenau Gwent Scholarship you will need to:

- achieve A Level or Higher National Diploma or equivalent grades to satisfy Cardiff University entrance requirements
- demonstrate an interest in engineering
- show evidence that financial support will help you continue your engineering studies
- be commencing an IET accredited undergraduate degree programme at Cardiff University.

This scholarship has been created to help students from South Wales pursue an education and career in engineering. Ideally, you will be from one of the following regions: Ebbw Vale, Tredegar or Beaufort and Cwm, Brynmawr in Blaenau Gwent, Clydach, Abergavenny in Monmouthshire or other areas of the South Wales Valleys.

### IET member

No, you don't have to be an IET member.

### Target audience

Students about to start an IET accredited engineering Bachelor's or MEng degree programme at Cardiff University in Autumn 2015.

### Prize

£3,000 per year for the duration of the course, up to a maximum of £9,000 for Bachelor's students and £12,000 for MEng students.

### How to apply

The application process for this scholarship is being managed by Cardiff University. If you think you meet the above criteria, please contact [engineering-UG@cardiff.ac.uk](mailto:engineering-UG@cardiff.ac.uk) for further information.

### Deadline

30 January 2015.

### Payments

The successful candidate will receive 50% of the scholarship in October and 50% in January annually, for the duration of the scholarship.

# Undergraduate Scholarships: Diamond Jubilee Scholarships

Approximately 60 scholarships available of at least £1,000 per year for students starting their first year of an IET accredited Bachelor's or MEng degree course in the UK in Autumn 2015. Awarded on a competitive basis. The applicants will be assessed by the IET's Scholarships Committee. Winners will be expected to be ambassadors for the IET and the engineering profession. Applicants will need to arrange for their teachers, tutors or other appropriate referee to send a confidential reference on the form provided (on the website) as part of the application process.

## Applicants will need to obtain minimum grades as follows:

- Three 'A's at A Level, or
- Three 'A' grade Advanced Highers, or
- Five 'A' grade Highers, or
- International Baccalaureate Diploma at 36 points or above, or
- Higher National Diploma (HND) with Distinction in all subjects.

## Criteria

- minimum grades as listed above
- starting first year of an IET accredited Bachelor's or MEng degree course in the UK in Autumn 2015
- UK resident
- not in receipt of any other IET scholarship or grant
- successful candidates will be required to act as ambassadors and provide updates on their careers to the IET after graduation.

## IET member

No, you don't have to be an IET member.

## Target audience

Students about to start university in Autumn 2015.

## Prize

At least £1,000 per year for the duration of the course, up to 3 years for Bachelor's students and 4 years for MEng students.

## How to apply

Applications open in January 2015.

Apply online at [www.theiet.org/diamond](http://www.theiet.org/diamond)

## Deadline

27 August 2015.

Please note the application system will close promptly at 5.00pm BST on 27 August. Due to the fact that the 27 August deadline is fixed and the online system will automatically close down on this date, candidates are strongly advised to complete as much of the form as possible before 30 June 2015 and to ensure their referees have submitted the reference by 30 June 2015. Applicants will then only have to add their UCAS results and examination results in August before the final deadline.

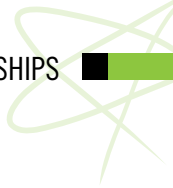
## Payments

Successful candidates will receive the first payment in January 2016.

[www.theiet.org/diamond](http://www.theiet.org/diamond)

 #IETDiamond





# IET Diamond Jubilee Scholars: Ambassadors for Engineering

Students awarded an IET Diamond Jubilee Scholarship are expected to be an ambassador for the engineering profession. The IET supports scholars with this role by providing opportunities and resources to volunteer, get engaged in community activities and also help spread the word about engineering as a study and career choice.

## Here are a few examples of how you can help:

- Contribute to written and/or video case studies – tell others why you chose to study engineering, what you are studying, what your hobbies are and why you think engineering will be your career of choice.
- Use our press toolkit – spread your success across print and social media.
- Become a STEM Ambassador – go into schools and talk to school children about engineering. This is a great role for building your skills for future employment.
- Set up an IET on campus student community at your university. Run by students for students, IET on campus will give you the skills and experience you need, delivered in a fun way, funded and backed by the IET.
- Participate in, or organise IET Local Network events in your area – our Local Networks organise events such as lectures, seminars, visits and workshops. They are keen to seek strong connections with students in their area and deliver activities that appeal to early career engineers.

In addition, as a Student Member of the IET, scholars will benefit from many resources useful for their studies and career development.

Thanks to support from our partners, the scholars also benefit from employer networking events and internship and placement opportunities.

# Undergraduate Grants

Ten IET Grants of £1,000 available for students starting their **FINAL** year of an IET accredited degree course in the UK in Autumn 2015.

Awarded on a competitive basis. The application will be assessed by the Scholarships Committee.

## Criteria

- already studying on an IET accredited Bachelor's or MEng Engineering or Technology degree course in the UK
- starting final year of course in Autumn 2015
- need to have obtained 60% or more (i.e. 2:1 or above) in end of year exams
- application must be supported by a reference
- not in receipt of any other IET scholarship or grant.

## IET member

No, you don't have to be an IET member.

## Target audience

Students starting their final year of an IET accredited degree course in Autumn 2015.

## Prize

Grant of £1,000

Certificate presented at a prestigious awards ceremony in London in November 2015. See page 30 for more ceremony information.

## How to apply

Apply online at [www.theiet.org/grants](http://www.theiet.org/grants)

## Deadline

**Applications & References:** 25 June 2015.

**Transcripts:** 30 July 2015.



Henrik Hagemann

[www.theiet.org/grants](http://www.theiet.org/grants)



#IETGrants

# Postgraduate Scholarships

Five scholarships worth between £2,500 to £10,000, tenable for one year, which are intended to reward excellence rather than alleviate financial hardship.

Awarded on a competitive basis. The application will be assessed by the Scholarships Committee and shortlisted applicants will be called for interview.

## Criteria

- open to applicants in any year of their PhD or EngD research programme
- applicants must have started the relevant research programme prior to the application deadline
- achieved a 2:1 or higher in first degree
- be an IET member
- not in receipt of any other IET scholarship or grant
- successful applicants will not be allowed to make a repeat application
- cannot accept applications from students who have not started doctorate or from students on MSc courses
- application must be supported by a reference.

## IET member

Yes, you have to be an IET member.

## Target audience

Postgraduate students currently studying for doctorate.

## Prize

Five scholarships available; allocation decided by the Scholarships Committee:

- two x £2,500 scholarships
- two x £5,000 scholarships
- one x £10,000 scholarship.

Certificate presented at a prestigious awards ceremony in London in November 2015. See page 30 for more ceremony information.

## How to apply

Apply online at [www.theiet.org/postgradawards](http://www.theiet.org/postgradawards)

## Deadline

9 April 2015.



Alison Gibbings – 2013



James Gilbert – 2014

[www.theiet.org/postgradawards](http://www.theiet.org/postgradawards)



#IETScholarships

# Technical Community Prizes

The IET's Technical Communities are driven by groups of volunteers who work or have expertise within the topic areas. They promote networking and the sharing and advancement of knowledge through various activities.

See [www.theiet.org/communities/tpn-index.cfm](http://www.theiet.org/communities/tpn-index.cfm)

## Healthcare Technologies

The IET Healthcare Technologies Network is keen to encourage and support the work and research of academics and newly qualified professionals in healthcare, medical and biomedical engineering arenas. The network presents annual prizes through a number of awards.

## William J Award

Awarded to PhD students making a contribution toward the development and improvement of the biomedical engineering field.

## Dennis Hill Award

This is presented to MSc students for healthcare technology and cognate subjects.

## J A Lodge Award

This is an early career award recognising and promoting outstanding work in the field of research and development in biomedical engineering.

See [www.theiet.org/communities/healthtech/resources/awards.cfm](http://www.theiet.org/communities/healthtech/resources/awards.cfm)

## Control and Automation PhD Award

In 2010 the IET's Control and Automation Network launched a prize to recognise significant achievements for PhD students conducting research in the area of Control Engineering.

Visit the Control and Automation Network for further details  
[www.theiet.org/control-automation](http://www.theiet.org/control-automation)





# Present around the World (PATW)

A global presentation competition for students, apprentices, recent graduates and young professionals aged 18 to 26 years. Interested persons are advised to contact their IET Local Network to find out if they are holding a Local Network competition in any given year. Individual competitors give a ten minute presentation on a subject related to engineering and technology in front of an audience and panel of judges, followed by a five minute question and answer session.

Competitors go through local, national (area) and regional finals, before the winners of the regional finals go on to London to present at the prestigious IET Achievement Awards ceremony to compete for a £1,000 cash prize. Winners will have all travel to the next stage paid for by the IET.



Chris Bellamy with Barry Brooks and Liz Bonnin

## Criteria

- aged 18 to 26 years
- presentation contains technical information on a subject relating to engineering and technology.

## IET member

No, you don't have to be an IET member.

## Target audience

Students, apprentices, recent graduates and young professionals aged between 18-26 years.

## Prize

- Cash prizes are awarded at each level of the competition and £1,000 cash is awarded to the winner of the global final. Travel to the next stage of the competition for winners is paid for by the IET.

- Certificate presented at the global final during a prestigious awards ceremony in London in November 2015. See page 30 for more ceremony information.

## How to apply

Please visit our website at [www.theiet.org/patw](http://www.theiet.org/patw)

## Deadline

Various deadlines – please see the website for more information.

[www.theiet.org/patw](http://www.theiet.org/patw)

 #IETpatw

 [www.facebook.com/patw.iet](http://www.facebook.com/patw.iet)

# Travel Awards

12 awards of £500 available throughout the year for IET members who want to broaden their professional experience through, for example, undertaking a study tour or working in industry. The awards may also assist with travel associated with the presentation of papers at prestigious international conferences or seminars.

## Criteria

- be an IET member
- applications must be made at least two months before date of travel
- application must be supported by the following:
  - documentary evidence of the travel intention (e.g. invitation from the conference organiser)
  - confirmation that a visa has been sought (if required)
  - a reference
- if the application is successful then a professional report of up to 1,000 words on their experiences is required within one month of the completion of the trip.

## IET member

Yes, you have to be an IET member.

## Target audience

IET member at any stage of their career.

## Prize

12 awards of £500 available each year, with two awards made every second month.

## How to apply

Apply online at [www.theiet.org/travel-awards](http://www.theiet.org/travel-awards)

## Deadline

### Deadline for application

28 January 2015  
 25 March 2015  
 20 May 2015  
 29 July 2015  
 23 September 2015  
 25 November 2015

### Applicants notified by

11 February 2015  
 15 April 2015  
 10 June 2015  
 12 August 2015  
 7 October 2015  
 9 December 2015



Kyle Slater

[www.theiet.org/travel-awards](http://www.theiet.org/travel-awards)

# Young Woman Engineer of the Year Awards (YWE)

These prestigious awards highlight inspirational women and what they have achieved as engineers.

By showcasing some of the UK's most outstanding talent, we want to encourage more women to enter the fascinating world of engineering.

**The IET Young Woman Engineer of the Year will have the following qualities:**

- Engineering ability and competence, regardless of level of registration
- Evidence of initiative and ability to be an able ambassador, representing women in engineering and acting as an inspirational role model.

**Mary George Memorial Prize for Apprentices** – young women currently employed in UK apprenticeships, within any discipline of engineering, are eligible for this award. Women who have finished their apprenticeship within the last six months before the closing date may also be considered for this award.

**Women's Engineering Society Prize (WES)** – awarded to a young female engineer who is able to engage and inspire young people's involvement in science, technology, engineering and maths (STEM) subjects.

The winners will be announced at a prestigious awards ceremony in December 2015.

## Criteria

All applicants must be working in the UK.

## IET member

No, you don't have to be an IET member.

## Target audience

Early career female engineers (up to the age of 35) working within engineering and technology sectors in the UK.

## Prize

- the YWE winner: £2,500
- the Apprentice winner: £750
- the WES winner: £750.

- Awarded at the prestigious national ceremony in London, covered by print and broadcast media. See page 32 for more ceremony information.
- All award winners will have the opportunity to attend high profile events and meet the most influential people in our industry.

## How to apply

Apply online at  
[www.theiet.org/ywe](http://www.theiet.org/ywe)

## Deadline

26 June 2015.



[www.theiet.org/ywe](http://www.theiet.org/ywe)



#IETywe



[www.facebook.com/TheIETWomensNetwork](http://www.facebook.com/TheIETWomensNetwork)

# **IET Apprentice and Technician of the Year Awards**

## **IET Apprentice of the Year**

Award for an individual in at least the second year of an IET Approved Apprentice scheme making good progress towards the apprenticeship qualifications and who has made significant contributions towards their employer or operational area. A report of the contribution will form part of the application.

## **IET Technician of the Year**

Award for an individual to recognise exceptional engineering contribution in developing a product, service or process or the completion of a project. They need to also have demonstrated exceptional commitment to engineering or technology through technical or professional development.

We welcome nominations for Technicians from the engineering, technology or education support sectors around the world.

## **IET Armed Forces Technician of the Year**

Award for an individual to recognise exceptional engineering contribution in developing a product, service or process or the completion of a project. They will also have demonstrated exceptional commitment to engineering or technology through technical or professional development.

Armed Forces Technicians are required to be currently serving in the United Kingdom Armed Forces.

Shortlisted candidates will be invited to attend the prestigious IET Achievement Awards ceremony in November 2015 to find out who the winner is. See page 30 for more ceremony information.



## Criteria

### Apprentice

- must be at least on second year of an IET Approved Apprenticeship
- must be making good progress towards the apprenticeship qualifications
- has completed a piece of work that demonstrates outstanding understanding of engineering principles
- evidence of engineering ambassadorial work (schools, volunteer work, role model).

### Technician

- Demonstrate outstanding engineering or technical understanding and ability by providing an example of a recently completed engineering or technical piece of work (within last 1-2 years) that has made an exceptional contribution to business.
- Other factors can enhance application e.g. engineering ambassadorial activities such as mentoring or school liaison.

### Armed Forces Technician

- serving member of UK Armed Forces
- demonstrate outstanding engineering or technical understanding and ability by providing an example of a recently completed engineering or technical piece of work (within last 1-2 years) that has made an exceptional contribution to business.

All applications must be supported by an endorsement statement.

Only one application for the awards will be accepted.

## IET member

No, you don't have to be an IET member.

## Target audience

Apprentices, Technicians and Armed Forces Technicians.

## Prize

- Certificate presented at a prestigious awards ceremony in London in November 2015. See page 30 for more ceremony information.
- £1,000 cash prize in each category
- two years' free membership of the IET including technician professional registration fees, if the winner is not already professionally registered ICTech or EngTech.

## How to apply

Apply online at

[www.theiet.org/apprentice-awards](http://www.theiet.org/apprentice-awards)

## Deadline

29 May 2015.



Lydia Feasey

[www.theiet.org/apprentice-awards](http://www.theiet.org/apprentice-awards)



#IETApprenticeAwards



#IETTechnicianAwards

# Achievement Medals

These awards recognise individuals who have made an exceptional contribution to the advancement of engineering and technology either through research and development or through their leadership of an enterprise. These awards are by nomination only, not individual application.

## IET Prestige Medals

The IET awards up to four Prestige Medals each year. This includes the Faraday Medal, the IET's most prestigious award, the Mountbatten Medal, the Mensforth Manufacturing Gold Medal and the JJ Thomson Medal for Electronics.

### Faraday Medal

The most prestigious of the IET Achievement medals is awarded either for notable scientific or industrial achievement in engineering or for conspicuous service rendered to the advancement of science, engineering and technology or for lifetime achievement in science, engineering or technology.

### Mountbatten Medal

The Mountbatten Medal celebrates individuals who have made a significant contribution, over a period of time, to the promotion of either electronics or information technology and their application that benefits the UK. Contributions can be within the spheres of science, technology, industry or commerce and in the dissemination of the understanding of electronics and information technology, whether to young people or adults.

### Mensforth Manufacturing Gold Medal

The Mensforth Manufacturing Gold Medal is awarded to candidates who have made major and distinguished contributions in the manufacturing sector, whether to the advancement of manufacturing engineering technology or manufacturing management.

### JJ Thomson Medal for Electronics

The JJ Thomson Medal is awarded to candidates who have made major and distinguished contributions in electronics.

## IET Achievement Medals

The IET awards up to six Achievement Medals each year to individuals who have made major and distinguished contributions in the various sectors of engineering, technology or applied science. The Awards and Prizes Committee will take the IET Sectors into account when awarding Medals: Information and Communications; Design & Production; Energy; Transport; Built Environment.

However, the IET Achievement Medals may be awarded for any technical area such as Emerging technologies, Renewable energy, Cyber security, Healthcare technologies and Robotics. In 2015 the IET will launch a new Achievement Award for volunteers. Please check the website [www.theiet.org/achievement](http://www.theiet.org/achievement)

## Nomination process

You are required to provide a short citation and supporting statement for the candidate and upload the candidate's Curriculum Vitae (CV) of no more than 4 pages. Please note only one nomination is required for a candidate to be considered and self-nominations will not be accepted.

Winners are chosen by the Awards and Prizes Committee for presentation at the Achievement Awards ceremony. Winners are matched to awards by the Committee, so only one nomination is required for a nominee to be considered for all appropriate awards.

## Word limits

Please note the word limits are 100 words for the citation and 250 words for the supporting statement. They can be prepared in Microsoft Word and copied and pasted into the online form. For further details, please see the candidate criteria guidance on the website [www.theiet.org/achievement](http://www.theiet.org/achievement)

### Criteria

- senior professionals (from 35 years old)
- one nomination is required per candidate.

### IET member

No, you don't have to be an IET member to nominate or be nominated. The Medals are awarded without restriction regarding nationality, country of residence or membership of the IET.

### Target audience

All engineering and technology professionals.

### Prize

Medal presented at a prestigious awards ceremony in November. See page 30 for more ceremony information.

### How to nominate

Nominate online at [www.theiet.org/achievement](http://www.theiet.org/achievement)

### Deadline

29 May 2015.



Professor Sir Michael Pepper receiving the 2013 Faraday Medal

[www.theiet.org/achievement](http://www.theiet.org/achievement)



#IETAchievement

# Achievement Medals: Young Professionals

Global awards for early career professionals, which recognise outstanding work, significant career progress or contributions made to their industry or profession. These awards are by nomination only, not individual application. Three awards available:

## Sir Henry Royce Award for young professionals

Engineering, IT professional or industrial trainee for outstanding achievement over the previous three years of their work in industry or for the profession.

## Career Achievement Award in memory of Mike Sargeant

Engineering or IT professional who is judged to have made the most significant progress in their career over more than three years.

## Paul Fletcher Award

Awarded to an IET volunteer for outstanding achievement in contributing to the activities of the IET.

### Criteria

- young professional (up to 35 years old)
- for the Paul Fletcher award, description of the candidate's volunteering activities and how these have contributed to the IET
- one nomination is required per candidate and self-nominations will not be accepted.

### IET member

No, the nominator and the nominee do not have to be IET members, with the exception that the candidate for the Paul Fletcher Award has to be an IET Member (volunteer).

### Target audience

Young professionals and IET volunteers.

### Prizes

- Sir Henry Royce – Medal, certificate and £250
  - Mike Sargeant – Medal, certificate and £500
  - Paul Fletcher – Medal, certificate and £250.
- Medals and certificates presented at a prestigious awards ceremony in London in November 2015. See page 30 for more ceremony information.

### How to nominate

Nominate online at [www.theiet.org/achievement](http://www.theiet.org/achievement)

### Deadline

29 May 2015.



[www.theiet.org/achievement](http://www.theiet.org/achievement)



# Honorary Fellows (HonFIET)

Honorary Fellows are elected by the Board of Trustees to this prestigious membership category.

## Criteria

Honorary Fellows are elected by the IET Board of Trustees. Honorary Fellows are:

- Persons distinguished by their work in any engineering discipline falling within the objects and purposes of the IET, or distinguished individuals whom the IET desires to honour for services rendered to the IET or whose association is of benefit to the IET.
- Honorary Fellows are entitled to use the designatory letters HonFIET (Honorary Fellow of the Institution of Engineering and Technology). A certificate may be presented at a prestigious awards ceremony or at another suitable event.

## IET member

Members of the IET are invited to propose names of individuals to be considered for Honorary Fellowship.

Nominees do not have to be an IET member.

## How to nominate

Proposals should be accompanied by brief biographical information and a short statement of the grounds on which the nomination is made. Proposals should be sent to:

**Governance and Legal Affairs**

**The Institution of Engineering and Technology  
Savoy Place**

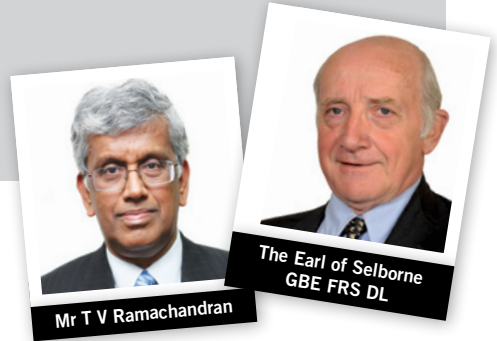
**London**

**WC2R 0BL**

**United Kingdom**

**Tel: +44 (0)20 7344 5415**

**Email: [governance@theiet.org](mailto:governance@theiet.org)**



Mr T V Ramachandran

The Earl of Selborne  
GBE FRS DL

[www.theiet.org/fellows](http://www.theiet.org/fellows)

# IET A F Harvey Engineering Research Prize of £300,000

Dr Frank Harvey, an IET member, bequeathed a generous sum of money to the IET for a Trust Fund to be set up in his name after his death. The terms of the Trust specify that the money is to be used for the furtherance of scientific research into the fields of medical, microwave, radar or laser engineering.

The Board of Trustees of the IET agreed that the available funds would be used to offer an annual research prize in one of the research fields each year, covering them all over a three year cycle.

One prize of £300,000 is awarded annually, honouring an exceptional individual researcher for their outstanding achievements in specific areas of engineering research and promising future research. The prize money should be used to support further research led by the recipient in order to contribute to further substantial advances to the benefit of society.

## Selection process

The IET A F Harvey Engineering Research Prize Search and Selection Committee search for and identify potential candidates from around the world, drawing on wide international networks and the IET's international Communities Committees. The committee draws up a shortlist of candidates from whom additional information is requested for further detailed consideration. Individual applications are not allowed.

## Prize

The prize is £300,000. The prize money is to be used to support further research, led by the prize winner, in specific areas of engineering and technology and may be paid over a period of up to five years. The host organisation will be responsible for managing the funds.



Stuart Wenham and Nigel Fine



## Awards made

- The prize was awarded for the first time in 2011, to Professor Edward S Boyden of MIT, for research in the field of medical engineering.
- It was awarded for the second time in 2012, to Professor Hugh Griffiths of UCL, for research in the fields of radar and microwaves.
- The prize was awarded for the third time in 2013, on this occasion to Professor Stuart Wenham of UNSW, for research in the fields of lasers and optoelectronics.
- The 2014 winner will be announced in late 2014 and will give a lecture on their research in May 2015.

[www.theiet.org/harvey](http://www.theiet.org/harvey)



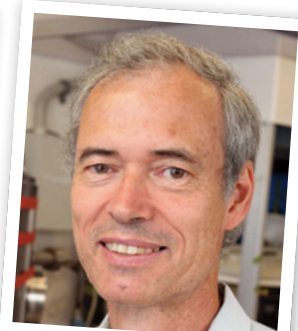
#IETHarvey



Ed Boyden – 2011



Hugh Griffiths – 2012



Stuart Wenham – 2013

# Innovation Awards

Recognising excellence across the breadth of science, engineering and technology, the **free to enter** IET Innovation Awards welcome entries from around the world. Each category is independently judged by a panel of engineering experts in that field, and the shortlist is announced each October.

Winners will be revealed at a black-tie ceremony and gala dinner to be hosted in London, in November 2015.

## 2015 Award Categories will include:

- Asset Management
- Built Environment
- Communications
- Consumer Electronics Technology
- Emerging Technology Design
- Healthcare Technologies
- Information Technology
- Intelligent Systems
- Manufacturing Technology
- Measurement in Action
- Model-Based Engineering
- Navigation and Surveillance Communications
- Power / Energy
- Start-up
- Sustainability
- Transport.





### Criteria

The Innovation Awards are open to industrial and academic teams and enterprising individuals, anywhere in the world. Each innovation can be entered in up to three categories, although you can enter as many different innovations as you wish.

### IET member

No, you don't have to be an IET member.

### Target audience

Anyone developing innovative products, applications or services within the scope of the award categories.

### Prize

Award winners receive a stylish trophy, presented at the Awards ceremony, and benefit from extensive media coverage, both to the IET's 160,000 members and in the wider press. All shortlisted entrants receive a certificate of commendation.

### How to apply

Complete the entry form and submit it online, along with a photo of your innovation, at [www.theiet.org/innovation](http://www.theiet.org/innovation)

### Deadline

3 July 2015

[www.theiet.org/innovation](http://www.theiet.org/innovation)



2013 Innovation winners

# IET Power Academy Scholarships

A number of scholarships are awarded each year to students at participating universities, which include mentoring from industry partners, paid summer work placements, £2,200 per year bursary and £220 to spend on books and software plus the opportunity of a career with the sponsoring company after graduation.

## Criteria

Gained entry on an IET accredited MEng or BEng (Electrical Engineering, Electronic or Power engineering) course at one of the participating universities.

## IET member

You don't have to be an IET member at the application stage, although once the scholarship has been accepted you will automatically get free IET membership throughout the duration of your university course.

## Target audience

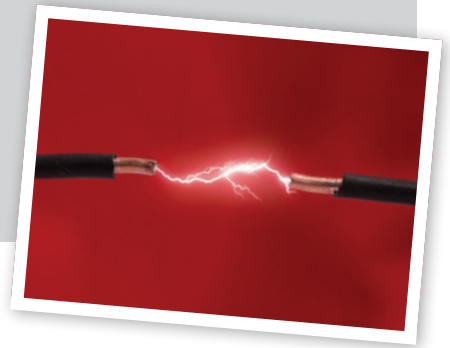
Students starting university and those in any year of their degree at one of the participating universities.

## How to apply

Go to [www.theiet.org/poweracademy](http://www.theiet.org/poweracademy)

## Deadline

Usually end of October – see website for more information.



[www.theiet.org/poweracademy](http://www.theiet.org/poweracademy)



## E3 Academy Scholarships

A number of scholarships are awarded each year to students applying to participating universities. The scholarship package includes mentoring from the company sponsor, paid summer work placements, £2,500 per year bursary plus the opportunity of a career with the sponsoring company after graduation.

### Criteria

You must be an applicant to an IET accredited MEng or BEng (Electrical/Electronic Engineering) course at one of the participating universities. If selected, you must take up a place at a participating university.

### IET member

You don't have to be an IET member at the application stage, although once the scholarship has been accepted you will automatically get free IET membership throughout the duration of your university course.

### Target audience

The E3 Academy recruits students who are in the process of applying to one of the participating universities.

### How to apply

Go to [www.E3Academy.org](http://www.E3Academy.org)

Usually end of April – see website for more information.



[www.E3Academy.org](http://www.E3Academy.org)

# UK Electronics Skills Foundation Scholarships

UKESF offers over 50 industry-funded scholarships each year to students at its partner universities. Employer support and the number of scholarships is growing annually; about 20 companies are now sponsoring scholarships. Scholarships include annual bursaries of up to £1,655 per year, paid summer work placements and mentoring from the sponsoring company. They afford an excellent opportunity to get established with an employer with a view to potential graduate employment.

## Criteria

Must be registered at a UKESF partner university on an IET accredited MEng or BEng degree with significant electronic engineering content (e.g. Electrical/Electronic Engineering). Current university partners, eligible degree programmes and detailed eligibility criteria are listed on the UKESF website.

## IET member

No, you don't have to be an IET member.

## Target audience

Students at UKESF partner universities in any year of their degree, with the exception of the final year.

## How to apply

Go to [www.ukesf.org](http://www.ukesf.org)

## Deadline

Usually end of October – see website for more information.

[www.ukesf.org](http://www.ukesf.org)





# IET India Scholarships

Scholarships amounting to a total of £10,000 will be awarded every year. The scholarship will be open only to undergraduate engineering students in their second, third and final year of engineering. The IET India Scholarship Award will be awarded to students following regional and national level assessments.

## Criteria

Undergraduate (UG) engineering students are eligible to apply to the scholarship programme in the second, third and final year of engineering. Application eligibility for 2015:

1. Any second year-full time regular UG engineering programme student from an AICTE/UGC approved institution.
2. All regular credit courses must have been cleared in a single attempt by the applicant for all the semesters the applicant has cleared before submitting the application.
3. UG marks should be at least 60% in aggregate for the semesters cleared so far or corresponding to CGPA of at least 6.5 in a 10 point scale.
4. Higher secondary (or equivalent) marks should be above 60% or of equivalent grade.
5. There is no age limit for the applicant.

6. Application is open for all IET members and non-members and for all branches of engineering as recognised by the AICTE/UGC.
7. Students from AICTE/UGC approved Institutions are eligible to apply for the scholarship.

## IET member

No, you don't have to be an IET member.

## Target audience

Undergraduate engineering students.

## Prize

£10,000 in prizes and certificates will be given to the winners at a prestigious awards ceremony in 2015.

**For more information please contact [scholarships@theiet.in](mailto:scholarships@theiet.in)**

<http://scholarships.theiet.in>



(From left) Dr Sumit D Chowdhury, Ms Mansha Imtiyaz, Mr Manoj Sarda, Ms Hina Agrawal, Mr Manu Kothari and Mr T V Mohandas Pai

# The Achievement Awards Ceremony November 2015

## Ceremony information

This annual ceremony is held to celebrate the IET's prestigious Achievement Awards and Scholarships. The winners of the IET Apprentice, Technician and Armed Forces Technician of the Year Awards are revealed at the ceremony. There are networking opportunities before the ceremony and an exhibition held by the sponsors.

The Present around the World (PATW) global competition final is also held at the ceremony, where five finalists will compete throughout the ceremony for the chance to win £1,000. The winner is decided by an audience vote and a panel of experts.

### Cost

The ceremony is free to attend.

### IET member

No, you don't have to be an IET member to attend the ceremony.

### Target audience

Anyone with an interest in engineering and technology and who would like to network, and individuals who would like to see the PATW competition final and vote for the winner.

### How to register

Register for free online at  
[www.theiet.org/achieve](http://www.theiet.org/achieve)

### Deadline

Registration is open up to one week before the event.



[www.theiet.org/achieve](http://www.theiet.org/achieve)



#IETAchieve



# The Innovation Awards Ceremony

## November 2015

### Ceremony information

The annual Innovation Awards dinner and ceremony offers attendees the chance to meet the finalists and share the excitement as this year's winners are revealed! The ceremony is hosted by a special guest presenter – previous hosts include TV presenter and journalist Kate Russell, *Apprentice* winner Tim Campbell MBE, presenter and *Red Dwarf* actor Robert Llewellyn and *Gadget Show* presenter Suzi Perry.

There is generally a great deal of media interest in the ceremony and the winners, both on the night and in the days following.

See page 24 for more information on how to enter the awards.

### Cost

£215 for an individual seat and £1,964 for a table of ten.

### IET member

No, you don't need to be an IET member – the ceremony is open to everyone.

### Target audience

Companies, academic departments and individuals interested in innovation and seeing what's new and exciting in the science, engineering and technology field.

Both individual and table bookings are available – and for a small premium, you can book a sponsored table, bringing you additional benefits such as your company logo displayed on your table, a profile in the ceremony brochure and a dedicated reception area for you to meet your guests.

### How to register

Online or via the downloadable registration form – both available from [www.theiet.org/innovation](http://www.theiet.org/innovation)

### Deadline

We recommend you book no later than one week before the ceremony. Please note that table bookings should be made by 30 October 2015.



[www.theiet.org/innovation](http://www.theiet.org/innovation)



# The Young Woman Engineer of the Year (YWE) Awards Ceremony December 2015

## Ceremony information

This annual evening ceremony is held to announce the winners of the YWE awards and to celebrate female engineers – and encourage more females to enter the engineering and technology sectors.

The ceremony provides an excellent opportunity to network and visit our sponsors exhibition.

See page 15 for more information on how to enter the awards.

### Cost

The ceremony is free to attend.

### IET member

No, you don't have to be an IET member to attend the ceremony.

### Target audience

Anyone who wants to see the next winners announced, who wants to network and show their support for women in engineering and encourage others to get involved.

### How to register

Register online at [www.theiet.org/ywe](http://www.theiet.org/ywe)

### Deadline

We recommend that you book early to avoid disappointment!



[www.theiet.org/ywe](http://www.theiet.org/ywe)



#IETywe



[www.facebook.com/TheIETWomensNetwork](http://www.facebook.com/TheIETWomensNetwork)





# Other IET Awards and Prizes

## IET Prizes

### IET Prize and IET Manufacturing Engineering Student Prize

The IET Prize and IET Manufacturing Engineering Student Prize are awarded annually to outstanding students who are undergoing or have completed a course of study which has been accredited by the IET. Prize winners are nominated by each approved university on the basis of having shown distinction in a specified stage of a course leading to the award of a first degree. One nomination is available per IET accredited university. The Prize consists of a certificate and two years' free membership of the IET effective immediately on award of the Prize.



### Gerald David Memorial Prize

This award recognises the commitment and excellence of a mature student who entered Higher Education with non-A Level qualifications and has graduated from a full or part-time IET accredited engineering degree in the UK.

- job experience of at least five years prior to starting their undergraduate university degree studies, but not necessarily in an engineering discipline
- has graduated in the last 12 months with at least an upper second class honours undergraduate degree or equivalent and achieved at least 60% in their final year individual project.

The Prize consists of £750, a certificate and two years' free membership of the IET.

Nominations are invited from IET accredited universities.



### IET Local Network Prizes

The IET supports over 100 Local Networks that exist in a number of locations around the world.

Where universities or colleges do not have IET accredited programmes, IET Local Networks can offer an IET Local Network Prize to reward excellence in students. The prize winner should be nominated on the official form by the academic establishment on the basis of having achieved excellence on a course that falls within the IET's scope of interest. These prizes are open to everyone.

The value of the award is £250 or an amount with an equivalent purchasing power in other countries. Only one award should be offered per establishment even where there are a number of different departments specialising in different areas of engineering and technology.

## Premium (Best Paper) Awards

The IET's dynamic and expanding journals publishing programme includes 24 Research Journals, and the internationally renowned *Electronics Letters and Micro & Nano Letters*. The portfolio covers the entire interdisciplinary field of electronic and electrical engineering and related subjects and all the journals are available online through the IET Digital Library, with most also available in print.

An individual Premium Award is available for the best paper published within the previous two years in each journal. Nominations are received by the journal's editors and editorial boards, with the winning paper decided by the individual journal's Editor-in-chief.



## Education 5-19 Competitions



### IET Faraday Challenge Days

The annual IET Faraday Challenge Days is an engineering-based competition held in schools and colleges all across the UK, delivered for free by our Challenge Day team. Students aged 12-13 years compete against one another to see who can design, create and promote the best solution to a given challenge. All challenges are based on real-life engineering problems. Recent challenges have included designing a device to send a coded message between 2 towns and a rocket and transport system to deliver supplies to astronauts on Mars.

Applications to have a Challenge Day open each year during the summer term. Alternatively, why not run your own event using our DIY Faraday Challenge Day resources? For more information on Faraday Challenge Days go to [www.ietfaraday.org/challenge-days](http://www.ietfaraday.org/challenge-days).



### DIY Faraday Challenge Days

The DIY Faraday Challenge Days allow teachers and technicians to run their very own Faraday Challenge Day. Each set of electronic resources takes you through the day with an introductory presentation, handouts, video clips and printable Faraday currency for students to use to buy or hire resources.

The resources are free to download. The materials you'll need are found in typical science or design and technology departments.

Why not invite STEM Ambassadors to give you a hand on the day and bring real-life engineering experience into the classroom?

See [www.ietfaraday.org/diy-challenge](http://www.ietfaraday.org/diy-challenge).



## Education E-Newsletter

Sign up to the education e-newsletter and receive updates throughout the year.

[www.ietfaraday.org/news](http://www.ietfaraday.org/news)

 @IETFaraday

 [www.facebook.com/ietfaraday](http://www.facebook.com/ietfaraday)

 [www.theiet.org/faraday-linked](http://www.theiet.org/faraday-linked)

 [www.theiet.org/faraday-pinterest](http://www.theiet.org/faraday-pinterest)



## FIRST® LEGO® League competition



*FIRST*® LEGO® League (FLL®) is a global science and technology competition for teams of students, to encourage an interest in real world issues and develop key skills that are crucial for their future careers. The students explore a given scientific topic and plan, program and test an autonomous robot to solve several missions.

Teams have ten to twelve weeks during the autumn term to complete and test their entry before they compete in their chosen Regional Tournament.

For more information go to [www.firstlegoleague.co.uk](http://www.firstlegoleague.co.uk)

 #FLLUK

 [www.facebook.com/FIRSTLEGOLeagueUK](http://www.facebook.com/FIRSTLEGOLeagueUK)





## Which Awards are International?

- Postgraduate Scholarships – see page 11
- Technical Community Prizes – see page 12
- Present around the World (PATW) – see page 13
- Travel Awards – see page 14
- Technician of the Year Award – see page 16
- Achievement Medals – see page 18
- Achievement Medals – Young Professionals – see page 20
- Honorary Fellowships – see page 21
- IET A F Harvey Engineering Research Prize – see page 22
- Innovation Awards – see page 24
- IET India Scholarships – see page 29
- IET Local Network Prizes – see page 33
- Premium (Best Paper) Awards – see page 34



# Sponsorship

## The IET Diamond Scholarships

The IET Diamond Jubilee Scholarship scheme aims to increase the supply of high quality engineering graduates by identifying the highest performing students entering IET accredited degrees and providing them with support and engagement opportunities throughout and beyond their studies.

Our event provides your organisation with the unique opportunity to engage with these high achieving second year students during this prime career decision time. Supporting this event gives your organisation the opportunity to promote and recruit for your graduate scheme, internships, summer placements and work experience opportunities.

For more information, please contact Emma Houlihan:

E: [ehoulihan@theiet.org](mailto:ehoulihan@theiet.org) T: **+44 (0)1438 767228**

## The IET Achievement Awards

The IET Achievement Awards recognise excellence at all stages in engineering careers, from those entering the profession right through to those at the pinnacle of their success. Sponsorship of these awards allows your organisation to align itself with engineering excellence and reach and actively recruit industry leading engineering professionals and the engineers of the future that are at the early stages of their career.

For more information, please contact Emma Houlihan:

E: [ehoulihan@theiet.org](mailto:ehoulihan@theiet.org) T: **+44 (0)1438 767228**

## IET Innovation Awards

The IET Innovation Awards recognise and reward the best of innovation in engineering, science and technology across a range of industry sectors and disciplines. The Innovation Awards typically attract over 400 entries from across the globe, with the ceremony attended by 500 finalists, guests and senior figures from the industry.

Sponsoring a category of the Innovation Awards provides a unique opportunity to raise the profile of your organisation to the global engineering, science and technology community and to align your brand with this market leading recognition and reward programme. Benefits include the opportunity to be involved with the judging, a table at the ceremony and your nominated representative to present your category's award.

We also have various other branding options available for you to be involved at the Awards Ceremony and Dinner.

Please contact Mandy Mercer to discuss your involvement.

E: [mmercer@theiet.org](mailto:mmercer@theiet.org) T: **+44 (0) 1438 765571**

## IET Young Woman Engineer of the Year Awards

The IET is working with industry, government and academia to engage and influence young women with the purpose of promoting careers in science, engineering and technology. Sponsorship of this award allows your company the opportunity to address the shortage of female engineers, show support in diversity recruitment and gender equality and actively recruit female engineers.

For more information, please contact Emma Houlihan:

E: [ehoulihan@theiet.org](mailto:ehoulihan@theiet.org) T: **+44 (0)1438 767228**

## Contact Information

If you want to get involved in supporting the IET's scholarships programme, or for further information on the IET's awards, scholarships and prizes, please contact: Linda Deleay, Awards and Prizes Manager:

E: [ldeleay@theiet.org](mailto:ldeleay@theiet.org) or [awards@theiet.org](mailto:awards@theiet.org) T: **+44 (0)1438 765694**

The IET also supports other awards in conjunction with partner organisations  
– these are publicised to members through the usual IET communication channels.

## IET Offices

### London\*

Savoy Place  
2 Savoy Place  
London  
WC2R 0BL  
United Kingdom  
[www.theiet.org](http://www.theiet.org)

### Stevenage

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Six Hills Way  
Stevenage Herts  
SG1 2AY  
United Kingdom  
**T:** +44 (0)1438 313311  
**F:** +44 (0)1438 765526  
**E:** [postmaster@theiet.org](mailto:postmaster@theiet.org)  
[www.theiet.org](http://www.theiet.org)

### Beijing

Suite G/10F  
China Merchants Tower  
No.118 Jianguo Road  
Chaoyang District  
Beijing China  
100022  
**T:** +86 10 6566 4687  
**F:** +86 10 6566 4647  
**E:** [china@theiet.org](mailto:china@theiet.org)  
[www.theiet.org.cn](http://www.theiet.org.cn)

### Hong Kong

4412-13 Cosco Tower  
183 Queen's Road  
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**T:** +852 2521 2140  
**F:** +852 2778 1711

### Bangalore

Unit No 405 & 406  
4th Floor, West Wing  
Raheja Towers  
M. G. Road  
Bangalore 560001  
India  
**T:** +91 80 4089 2222  
**E:** [india@theiet.in](mailto:india@theiet.in)  
[www.theiet.in](http://www.theiet.in)

### New Jersey

379 Thornall Street  
Edison NJ 08837  
USA  
**T:** +1 (732) 321 5575  
**F:** +1 (732) 321 5702

## IET Venues

### IET London: Savoy Place\*

London  
**T:** +44 (0) 207 344 5479  
[www.ietvenues.co.uk/savoyplace](http://www.ietvenues.co.uk/savoyplace)

### IET Birmingham: Austin Court

Birmingham  
**T:** +44 (0)121 600 7500  
[www.ietvenues.co.uk/austincourt](http://www.ietvenues.co.uk/austincourt)

### IET Glasgow: Teacher Building

Glasgow  
**T:** +44 (0)141 566 1871  
[www.ietvenues.co.uk/teacherbuilding](http://www.ietvenues.co.uk/teacherbuilding)

\*Savoy Place will be closed for refurbishment from summer 2013 until autumn 2015. During this time IET's London home will be within the Institution of Mechanical Engineers building at:

1 Birdcage Walk  
Westminster  
London  
SW1H 9JJ

If you are attending an event during this period, please check the venue details carefully.

[www.theiet.org](http://www.theiet.org)