Working to engineer a better world

Adam Parnell
IET Regional Development Manager - North

Professional Home for Life ® for Engineers and Technicians
IET Membership by Industry Sector

- **Power** including Generation, Transmission, Distribution, Utility/Supply, Fossil, Renewable, Oil & Gas
- **Communications** including Telecoms & Signal Processing, Radar, Sonar & Navigation, RF & Microwave, Mobile
- **Manufacturing** including Food, Drink & Pharmaceutical, Manufacturing & Process Engineering
- **Management** including Consultancy
- **Electronics** including Embedded Systems, EMC, Consumer Electronics, Power Electronics
- **IT** including Software, Hardware, Cybersecurity
- **Control & Automation** including Drives & Controls, Machine & Panel Building
- **Transport** including Aerospace, Automotive, Rail
- **Construction**
- **Defence / Military**
- **Education**
- **Public Services**
- **Banking / Financial Services**
- **Biotechnology**
Agenda

- Membership & Benefits
- Professional Registration overview
- Career Manager
  - Initial Professional Development
  - Applying for Professional Registration
- Further support
- Next steps.
IET Membership & Benefits

Professional Home for Life ® for Engineers and Technicians
Membership Categories

- Apprentice
- Student
- Associate
- Member MIET/TMIET
- IET Fellow (FIET)

- Early Career
- Mid Career
- Established / Senior
Knowledge Resources
IET Communities – Local Networks

United Kingdom
Channel Islands
Channel Islands Network
Scotland
IET Scotland
Scotland North Network
Scotland South East Network
Scotland South West Network
Northern Ireland
Northern Ireland Network
Wales
Wales North Network
Wales South East Network
Wales South West Network
East Midlands
East Midlands Network
Eastern
Anglian Coastal Network
Bedfordshire and Hertfordshire Network
Cambridge Network
Essex Network
Peterborough and Huntingdon Network
London
London Network
North East
Northumbria Network
Teesside Network
North Western
Lancashire and Cumbria Network
Manchester Network
Mersey and Western Cheshire Network
Wales North Network
South Eastern
Kent Network
Surrey Network
Sussex Network
South Western
Bristol Network
Devon and Cornwall Network
Gloucestershire Network
Somerset and West Wiltshire Network
Swindon Network
Southern
Dorset and South Wiltshire Network
Solent Network
Thames and Chiltern
Berkshire Network
Buckinghamshire Network
Oxfordshire Network
West Midlands
Birmingham Network
Coventry and Warwickshire Network
Hereford and Worcester Network
North West Midlands Network
Shropshire Network
Yorkshire
Humber Network
North Yorkshire Network
South Yorkshire Network
West Yorkshire Network
Europe
Barcelona Group
Cyprus Network
Czech Republic Network
France Network
Germany Network
Gibraltar Network
Greece (Hellas) Network
Ireland Network
Italy Network
Malta Network
Portugal Group
Switzerland Network
Middle East
Bahrain Network
Egypt Network
Kuwait Network
Qatar Network
Saudi Arabia Network
United Arab Emirates
Africa
Ghana Network
Mauritius Network
Nigeria Network
South Africa Network
Pakistan
Pakistan Network
Canada
Toronto Network
Ottawa Network
Montreal
USA
New England Network
Chesapeake Community
IET Purdue University
Gulf of Mexico Network
Southern California Network
Caribbean
Caribbean Network
South America
Brazil Community
Australia:
Australia Network
New South Wales Network
Queensland Network
South Australia and Northern Territory
Tasmania Network
Victoria Network
Western Australia Network
Brunei Darussalam
Brunei Darussalam Network
China
Beijing Network
Shanghai Network
Xi’an Network
Hong Kong Network
Japan
Japan Network
Malaysia
Malaysia Network
New Zealand
Auckland Network
Christchurch Network
Wellington Network
Singapore
Singapore Network
India
Bangalore Network
Kolkata Network
Chennai Network
Delhi Network
Mumbai Network
Pune Network
Sri Lanka
Sri Lanka Network
Burma
Burma Network
www.theiet.org/communities
IET Communities – Technical & Specialist

Technical

Building Information Modelling
Cyber Security Community
Data Centre Engineering Community
Electrical Safety Management
EVI-GTI
Functional Safety TPN
Future Energy Community
IET Aerospace Network
IET Antennas and Propagation Network
IET Automotive and Road Transport Systems Network
IET Built Environment Sector
IET Consultants Network
IET Control and Automation Network
IET Design and Production Sector
IET Electromagnetics Network
IET Energy Sector
IET Healthcare Technologies Network
IET History of Technology Network
IET Hong Kong Electronics and Communications Section
IET Hong Kong Informatics and Control Technologies Section
IET Hong Kong Management Section
IET Hong Kong Manufacturing and Industrial Engineering Section
IET Hong Kong Power and Energy Section
IET Information and Communications Sector
IET Manufacturing Network
IET Midlands Power Group
IET Multimedia Communications Network
IET Power Generation, Conversion and Utilisation Network
IET Power Systems and Equipment Network
IET Power Trading and Control Network
IET PYA Superyacht Chief Engineer & ETO Expert Working Groups
IET Radar, Sonar and Navigation Network
IET Railway Network
IET RF & Microwave Technology Network
IET Robotics and Mechatronics Network
IET Satellite Systems and Applications Network
IET Scotland E,C & I Network
IET Transport Sector
IET Tribology Network
IET Vision and Imaging Network
IET/ACostE Project Controls Network
IET/IAM Asset Management Network
Infrastructure Operators Adaptation Forum
International Measurement Community (IntMC)
Lighting Community
Midlands Automotive Network
Midlands Communications Network
Midlands IT Network
Oil and Gas Community
Power Electronics, Machines & Drives
Raspberry Pi Resources
Systems Engineering Community

Specialist

CC-UK CVC Delegate Challenge Group
Colloquium on Antennas, Wireless and Electromagnetics
Community Administrators Group
Diamond Jubilee Scholars
Engineers and Dyslexia Help
Horizontal Innovation Community
IET Connect - IET Benevolent Fund
IET India - Internet of Things Panel
IET Initial Professional Development
IET Innovation Awards
IET London: Savoy Place upgrade
IET on campus administrators
IET Plus! For events user group
IET Professional Development
IET Schools Liaison Community
IET Volunteers
IET Scotland - Science, Education & Management Network
IET- Registration and Standards
LGBT Network
MF/1 Community
Next Generation Local and Access Networks
The IET Women's Network

www.theiet.org/communities
UK Member Venues

Birmingham          London          Glasgow
London Savoy Place
Professional Registration through the IET
Never has it been so important to demonstrate your professional engineering competencies.

IET assessed:
- Chartered Engineer (CEng)
- Incorporated Engineer (IEng)
- Engineering Technician (EngTech)
- ICT Technician (ICTTech)

Also via Partnership agreements:
- Chartered IT Professional (CITP)
- Chartered Manager (CMgr)
Designatory Letters

S. Johnson BEng MSc CEng MIET

MIET MIET
Why become Professionally Registered?

- Stand out from the crowd: be recognised as a professional
- Demonstrate professional engineering competence
- Meet the growing requirement within our industry
- Designatory letters after your name (EngTech, IEng, CEng)
- Credibility with peers, employer, customers and suppliers
- Improved career prospects.
Chartered Engineer

- Develop new or existing technology
- Problem solve
- Make a key contribution to your business’ success, through innovation, creativity and change
- Promote advanced designs or design methods
- Develop better production techniques, marketing or construction concepts
- Pioneer technology or engineering services and management methods.

Incorporated Engineer

- Maintain and manage applications of current and developing technology
- Apply existing and emerging technology in their work
- Problem solve
- Contribute to continuous improvement in business processes
- Manage the planning, budgeting and organisation of tasks, people and resources
- Have involvement in design, development, manufacture, construction and operation.
Engineering Technician

- Apply proven techniques and procedures to practical engineering problems
- Hold supervisory or technical responsibility
- Contribute to design, development, manufacture, commissioning, decommissioning or operation
- Maintain products, equipment, processes or services
- Show a creative approach to your work
- Apply safe systems of working

ICT Technician

- Support or enable the use of ICT equipment and applications by others
- Select and use appropriate ICT resources, techniques, configurations, procedures and methods
- Install, operate, support, or maintain ICT systems
- Protect ICT systems from intrusion, damage or data loss
- Accept or exercise personal responsibility for ICT systems
Steps to Professional Registration

1. Membership
2. Developing competence under UK-SPEC
3. Competent
4. Application
5. Initial Review
6. Professional Review
## Competence Framework (UK-SPEC)

<table>
<thead>
<tr>
<th>Competence</th>
<th>A</th>
<th>Knowledge and Understanding</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Application to Practice</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Leadership/Management/Supervision</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Interpersonal Skills</td>
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</tr>
<tr>
<td>E</td>
<td>Commitment to Professional Standards</td>
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</tbody>
</table>
Underpinning Knowledge & Understanding

Exemplifying Qualifications

- **CEng:** Accredited MEng OR accredited Bachelors degree with Honours in engineering or technology, plus an accredited Masters degree OR overseas qualifications equivalent to these

- **IEng:** An accredited Bachelors degree in engineering or technology OR overseas qualifications equivalent to this

- **EngTech/ICTTech:** Level 3 qualification or equivalent

If the candidate does not hold an exemplifying qualification, other evidence of UK&U may be provided
No exemplifying qualification?

- Other evidence of UK&U may be provided:
  - Further learning
  - Work-based learning
Career Manager
Career Manager

Members online tool used for:

- **Initial Professional Development (IPD)**
  - Provides a secure place to log your Initial Professional Development against the UK-SPEC
  - Continually assesses your competence in readiness for applying for professional registration
  - Creates an online portfolio of experience/competence evidence

- **Applying for Professional Registration**
  - Guides you step by step through the creation of your Professional Registration Application

- **Continued Professional Development (CPD)**
  - Provides a secure place to log your Continued Professional Development

Seize control of your professional life

The Institution of Engineering and Technology

Professional Home for Life® for Engineers and Technicians
Registering on the IET website
Accessing Career Manager
Initial Professional Development (IPD)

IPD (Initial Professional Development) is the process of working towards Professional Registration.

What would you like to do?
- Submit my Intent to Register
- Link to my IET Accredited PD Scheme
- Assess my competence for Professional Registration
- IPD Planning - Set IPD Objectives and actions
- Manage my IPD Planning Report

TIP: To help you gain the full potential of the IPD functionality in Career Manager, why not view our free IPD online training webinar? www.theiet.org/cm-training

If you have any questions regarding IPD please e-mail profdev@theiet.org
IPD - Assessing your competence

A. Knowledge and Understanding
- A1. Maintain and extend a sound theoretical approach

B. Application to Practice
- B1. Identify potential projects and opportunities
- B2. Confront appropriate research and undertake design and development
- B3. Manage implementation of design solutions and evaluate effectiveness

C. Technical and Commercial Leadership
- C1. Plan for effective project implementation
- C2. Plan, budget, organise, direct and control tasks, people and resources
- C3. Lead teams and develop staff
- C4. Bring about continuous improvement through quality management

D. Interpersonal Skill
- D1. Communicate in English with others at all levels
- D2. Present and discuss proposals
- D3. Demonstrate personal and social skills

E. Professional Conduct
- E1. Comply with relevant codes of conduct
- E2. Manage and apply safe systems of work
- E3. Undertake engineering activities for sustainable development
- E4. Carry out continuing professional development
- E5. Exercise responsibilities in an ethical manner

Legend
- Confirmed level

Click the name of each skill to assess your skill level and provide comments. The skills mapped to your role and skills associated with your job role framework are listed in the grid below. Click on each of the skills next.
Applying for Professional Registration

Help and Advice:

- Self assessment
  - UK-SPEC
  - Qualifications
- Mentors
- IET Mentors
- Registered colleagues
- Supporters
- IET Industrial Representative
- IET Registration Department
- Professional Registration Advisors.
# The Application Form

## Personal Information

<table>
<thead>
<tr>
<th>Title</th>
<th>First Name</th>
<th>Last Name</th>
<th>Post Nominal</th>
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<table>
<thead>
<tr>
<th>Gender</th>
<th>Home Address</th>
<th>County/State</th>
<th>Postcode</th>
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<table>
<thead>
<tr>
<th>Email</th>
<th>Membership Details</th>
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<tbody>
<tr>
<td></td>
<td>Membership Number</td>
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</table>

## Current Employment

<table>
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<tr>
<th>Employer</th>
<th>Business Address</th>
<th>County/State</th>
<th>Postcode</th>
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<table>
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<tr>
<th>Which Address would you like correspondence sent to?</th>
<th></th>
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</table>

## Education

<table>
<thead>
<tr>
<th>Establishment/Name</th>
<th>Qualification</th>
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## Schemes

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<th>Scheme No.</th>
<th>Organisation</th>
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## Achievements

<table>
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<th>Title</th>
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## Training

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<tr>
<th>Course Title</th>
<th>Provider</th>
<th>Duration (hrs)</th>
<th>Comp. Date</th>
<th>Certified</th>
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<tr>
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</table>

## Professional Registration Advice & Your Expertise

<table>
<thead>
<tr>
<th>Preferred Interview Location</th>
<th>Name of Professional Registration Advisor (PRA)</th>
<th>Date of Advice</th>
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<table>
<thead>
<tr>
<th>PRA Comments</th>
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<table>
<thead>
<tr>
<th>Sector</th>
<th>Specialisation 1</th>
<th>Specialisation 2</th>
<th>Specialisation 3</th>
</tr>
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</table>

Note: The information provided above will be used to carry out an initial assessment of your application. As a result of this initial assessment you may be required to provide further information to support your application.
Applying for Professional Registration

Professional Registration

What would you like to do?

- Apply for CEng, IEng, EngTech or IETech now!
- Upload Documents to support my application
- Link to my IET Accredited PD Scheme
- Browse the Professional Registration Frameworks
- Submit my Intent to Register

If you have any questions regarding Professional Registration please e-mail profreg@theiet.org
Preparing your Application

We strongly advise that you read the guidance notes whilst preparing your application.

Choose the relevant guidance for the category you are applying for.

For CEng/IEng Applicants:

For EngTech/ICTTech Applicants:
Preparing your Application

We strongly recommend you send a copy of your application to a PRA prior to submitting to the IET.

You can view a draft copy of your application at any time.
Supporting Documents

Please read the supporting document guidance
Your Expertise & Interview Location

Select up to three specialisms that are most relevant to your field of expertise.

Select your preferred interview location. (Not required for EngTech or ICTTech applications.)
Verifying your Application

Add your supporters and await their verification
Submitting your Application

You can then submit your application to the IET!
Any questions about Career Manager?

- Check support material
- Email: careermanager@theiet.org
- Tel: 01438 767356
Guidance - Responsibilities and Achievements

- Two or three best projects/examples of your direct engineering ability from past 5 years

- "I was responsible for, I conducted, I improved, I applied, I delivered, I produced, I negotiated, etc.

- Indicate size, complexity, strategic importance, etc.
Guidance - Responsibilities and Achievements

- If appropriate, quantify budget, resources, manpower, etc.

- What did you need to learn, problems faced and solved, how has this understanding benefited the organisation.

- DO NOT include any sensitive information that requires security clearance
Supporters

- Registered engineer or senior to applicant and known for two years
- Preferable to choose a Supporter who is Engineering Council or international equivalent registered engineer
- Second and third supporter is optional (contractors/frequent job moves).
Application Assessment

- Application fee paid and then formally assessed
- Review of application form by staff and registered members
- Options:
  - No further information needed → PRI
  - Request for evidence statement – A, B, C, D, E
  - Request for full evidence statement – A1, A2, B1, B2, etc.
  - Technical report.
Professional Review Interview (PRI)

- All candidates required to attend an interview to demonstrate their level of competence (CEng/IEng only)
- Interviews may take place regionally or in company
- 10 – 15 minute presentation
- Then a discussion based on information provided on the application form.
- After the interview you will be notified of the results of your application by post
- ‘What to expect’ video available on YouTube – search ‘IET PRI’
Next steps
Company Based Registration Scheme

- **Within next 2 weeks** –
  - Email from IET with timetable for CBRS and how to complete your Professional Registration application form
  - Non-members to join the IET
  - Email from IET confirming your first PRA meeting date

- **1 month from today** – PRA meeting to review first draft of your professional registration application or discuss options

- **2 months from today** – PRA meeting to review your professional registration application

- **3 months from today** – Deadline for submission of your professional registration application for assessment
Payment steps to becoming Professionally Registered

Step 1: Join the IET

Step 2: Apply for professional registration

Step 3: Pay the Engineering Council fee

Step 4: Become professionally registered and pay your annual fees

2018 Registered Membership Fees

<table>
<thead>
<tr>
<th>Member (MIET or TMIE)</th>
<th>CEng</th>
<th>IEng</th>
<th>EngTech/ICTTech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Category</td>
<td>IET Qualified &amp; Registered Membership Fee</td>
<td>Engineering Council Annual Registration Fee</td>
<td>Total Amount</td>
</tr>
<tr>
<td>CEng</td>
<td>£198</td>
<td>£39</td>
<td>£237</td>
</tr>
<tr>
<td>IEng</td>
<td>£198</td>
<td>£33</td>
<td>£231</td>
</tr>
<tr>
<td>EngTech/ICTTech</td>
<td>£176</td>
<td>£19</td>
<td>£195</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fellows (FIET)</th>
<th>CEng</th>
<th>IEng</th>
<th>EngTech/ICTTech</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Category</td>
<td>IET Qualified &amp; Registered Membership Fee</td>
<td>Engineering Council Annual Registration Fee</td>
<td>Total Amount</td>
</tr>
<tr>
<td>CEng</td>
<td>£225</td>
<td>£39</td>
<td>£264</td>
</tr>
<tr>
<td>IEng</td>
<td>£225</td>
<td>£33</td>
<td>£258</td>
</tr>
<tr>
<td>EngTech/ICTTech</td>
<td>£203</td>
<td>£19</td>
<td>£222</td>
</tr>
</tbody>
</table>

CEng £50.70  IEng £42.80  EngTech/ICTTech £17.50
You’ll be assessed against your chosen professional registration category and, if successful, an Engineering Council entrance fee is collected by the IET on their behalf.

CEng/IEng £205**  EngTech/ICTTech £65**
Apply online using Career Manager and pay the professional registration application fee.

£160
We recommend that individuals about to apply for professional registration apply for associate membership**
Joining the IET

www.theiet.org/join
Thank You

Adam Parnell
Regional Development Manager – North
Email: aparnell@theiet.org