

MAKING THE DIFFERENCE

ISSUE 1 2017

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ENGTECH**

Institution of
**MECHANICAL
ENGINEERS**

ENGTECH AND APPRENTICE AWARDS

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for technicians
and apprentices

ENGTECH AND APPRENTICE AWARDS 2017

imeche.org/awards

At the Institution we are committed to celebrating the contribution that EngTech and apprentice members make to the engineering sector, industry and the wider community.

We offer a range of awards to acknowledge and recognise this contribution.

Apply now for your chance to be recognised.

- **Apprentice of the Year**
Win £1,500
- **EngTech of the Year**
Win £2,000
- **EngTech Visionary**
Be recognised by your peers
- **Advanced Apprenticeship Provider of the Year**
Be recognised by the industry
- **Whitworth Scholarship Awards**
With prizes up to £21,800
- **Home Automation Competition**
A competition for teams to design and manufacture a product to automate a task in the home with a £2,000 prize

“ ”

I am exceptionally thankful to be offered this award and recognition which will ultimately help me to continue doing what I enjoy and help make a difference to young people.

Katja Srbljanin EngTech IEng MIMechE
EngTech of the Year 2016 Winner



CAREERS SUPPORT ON WORKFRIEND

All our EngTech members and final year apprentice members have free access to careers support via Workfriend.

Log in using your My Account password and username imeche.org/workfriend

Use our most popular tools:

- CV Builder – create a tailored and professional CV
- Cover Letter Builder – make a strong impact with a great covering letter
- Interview Simulator – browse frequently asked interview questions and take a mock interview
- Elevator Pitch Builder – create a 60-second summary to sell yourself effectively

CHECK OUT THE LATEST NEWS AND ARTICLES ON WORKFRIEND

Snapchat for your career

Like tweeting before it, 'snapping' is slowly creeping its way into working life. Read about some of its potential uses in the workplace.

10 tips for the perfect LinkedIn invitation

Some tips to help you send invitations to connect on LinkedIn.

The dos and don'ts of face-to-face networking

How to make the most of your networking opportunities so that every connection counts.

imeche.org/workfriend

READ THE LATEST ARTICLES AND FEATURES ON THE PE APP

imeche.org/peapp

Designed by the crowd

The use of open-source design software promises to shake up the automotive industry.

Surveillance Drones:

Off to a flying start

Drones offer great potential for inspecting infrastructure, from windfarms to pipelines, and monitoring construction sites.



BECOME IENG REGISTERED

Derek Hamilton EngTech IEng MIMechE, Track Maintenance Engineer at Network Rail recently progressed from EngTech to IEng.

What does your current role involve?

I head up the Track Maintenance function for Network Rail. I lead a team of four direct reports who each manage their own individual teams.

My key responsibility is applying my engineering and technical knowledge to get the best performance out of the asset so the train operating companies can keep to their timetable.

What encouraged you to seek IEng registration?

I felt I had the required skill set and I received encouragement and support from my colleagues who could mentor me and sponsor my application. Network Rail are also committed to investing in staff who wish to become professional engineers. The Institution advised me that my educational background, would merit an IEng application.

Describe your experience of becoming IEng registered.

Becoming a Track Maintenance Engineer and the whole application process has really opened my eyes – I now consider myself to be a professional and expert in my field. The information on the Institution website and support from existing Chartered Engineers has helped me to understand the application process.

I realised my day to day engineering role and the decisions that I was making could be used in my application. The challenge was translating my real life experience and applying it in my application form.

How was your Professional Review Interview?

The interview stage was daunting initially, however it was conducted in a very friendly manner. I have never wanted an interview to go as well as my IEng one. Thankfully, I gave a good enough account of myself.

What advice would you give someone considering IEng registration?

Do it! There is a process to follow and there is work to do, but the rewards mean so much more to you as an individual than just letters after your name. The application process alone truly changed my way of thinking and outlook and gave me the confidence to do the right thing in my current role.

How has becoming an IEng benefitted your career?

Time will tell, but my outlook has changed. I have much more confidence in making tough decisions and communicating at all levels of the business. Being professionally recognised and keeping up with CPD means that I can network more, expand my knowledge and always be on my toes to continuously develop myself.

What are your future career goals?

I'd like to develop further with my current employer, there is certainly scope for more senior positions. I would also like to progress to Chartered Engineer status.



TAKE CONTROL OF YOUR FUTURE

imeche.org/engtechupgrade

If you are an Apprentice Affiliate member of the Institution you may be able to upgrade your membership to EngTech.

EngTech registration with the Institution means you can benefit from improved career prospects and increased earning potential as you progress in your career. It is a mark that your skills and experience are recognised by industry in the UK and globally.

With competition as strong as ever in today's job market, being registered as EngTech will help set you apart.

Your next steps

1. You can either apply via our standard or approved route – if you are on an approved scheme you can apply using our streamlined process
2. Check if your apprenticeship is on an approved scheme – you can check online
3. Apply online imeche.org/engtechupgrade
4. If you need further support contact Paul Tabern p_tabern@imeche.org

RESOURCES FOR ENGTECH APPROVED SCHEMES

Is your company accredited by the Institution as an EngTech Approved Scheme?

We have packs of posters, flyers and application forms to support registration in your workplace. If you would like to place an order for resources please get in touch. engtechnews@imeche.org



EVENTS NEAR YOU

April – June 2017

Are you looking for ways to improve your engineering knowledge and meet colleagues in the industry? Most of our regional events and talks are free to attend – book your place online imeche.org/nearyou

27 APRIL

GATEWAY – TESTING AUTOMATED VEHICLES ON LONDON'S STREETS

Hear about the GATEway project, a study to investigate the use and acceptance of automated vehicles in urban environments.

Location: Brighton

27 APRIL

HELICOPTER ROTOR BLADES

An overview of helicopter rotor blade construction evolution from the early days to the present day and into the future.

Location: Weymouth

8 MAY

CROSSRAIL

A look at the challenges of putting the new trains for the Elizabeth line into service.

Location: London

18 MAY

NEW TRAINS FOR THE NORTH

A presentation on the future new CAF rolling stock for the new north of England franchise.

Location: Newcastle upon Tyne

25 MAY

AUTONOMOUS CARS: IS THE FUTURE DRIVERLESS?

This talk explores the engineering challenges the autonomous car will bring and the impact on society

Location: Rotherham

23 JUNE

TECHNICAL VISIT TO SIEMENS CONGLETON SITE

A unique opportunity to visit the Siemens site.

Location: Congleton



TOP 10 LIBRARY BOOKS

imeche.org/library

Here are the top 10 most popular titles for technicians in our online collection. The full text is available to read, print or download from your home, college or work. Just log in with your My Account login.

1. **Engineering Science**
Tooley M, 2015
2. **Engineering Fundamentals**
Timings R, 2016
3. **Materials for Engineers and Technicians**
Bolton W, 2014
4. **Higher Engineering Science**
Bolton W, 2015
5. **Mechanical Engineering**
Darbyshire A, 2015
6. **Advanced Motorsport Engineering**
Livesey A, 2016
7. **Aircraft Engineering Principles**
Dingle L, 2013
8. **Automotive Science and Mathematics**
Bonnick A, 2015
9. **Fabrication and Welding Engineering**
Timings R, 2008
10. **BTEC National Engineering**
Tooley M, 2010

All books are published by Taylor and Francis.

RENEW YOUR ENGTECH MEMBERSHIP

Have you renewed your EngTech membership? Renew today to ensure you retain your professional title – EngTech MIMechE – and that you don't miss out on your membership benefits and discounts.

You can pay any overdue fees online
imeche.org/myaccount
or call the subscriptions team +44 (0)1952 214 050 between 09.00 and 17.00 (UK time) Monday to Friday.

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