

An Introduction to IHE & the Benefits of Professional Registration

**CECA
15 May 2024**

**Martin Polland
President**



PROGRAMME

- Introduction to the IHE
- Becoming a Member
- The Benefits of Professional Registration
- Questions



Introduction to the IHE

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Providing professional leadership by developing and sharing
knowledge and with standards based on integrity, fairness and
quality

WHO ARE WE?



The Institute of Highway Engineers (IHE) was established in 1965 and has been licensed by the Engineering Council since 1972



We are the Institute of choice for specialist highway and traffic practitioners



We have expertise in all areas of highway engineering



**INSTITUTE OF
HIGHWAY
ENGINEERS**

OUR VISION



To support Highway and Traffic Engineers
at every stage of their career



We have over 3,500 members of which over 50% are
professionally registered.

We are licensed by the Engineering Council & BCS, the Chartered
Institute for IT to provide Professional Registration.

We are THE Engineering Council Institute dedicated to serving
the needs of engineering professionals in the highways sector.



JOINING THE IHE TYPICAL DISCIPLINES



Winter Services



Contracting



Transport Planning



Road Safety



Active Travel



Road Surfacing



Maintenance



Highway Design



Signals & Signs

LICENSED TO PROVIDE PROFESSIONAL REGISTRATION

An internationally recognised standard that demonstrates engineering competence, gained through knowledge and on-the-job experience, to colleagues, employers and clients



Chartered Engineer
Incorporated Engineer
Engineering Technician
ICT Technician



Chartered IT Professional
Advanced Registered IT Technician
Registered IT Technician



ACCREDIT COURSES

We accredit HNC, HND, degree and MSc courses

As part of the Joint Board of Moderators (JBM) with ICE, IStructE, CIHT & PWI)

Check your degree is accredited using this QR code



AWARD PROFESSIONAL CERTIFICATES & DIPLOMAS

Ideal for individuals who have been working in the industry but haven't been able to obtain an academically endorsed qualification.



GUIDANCE NOTES IHE PROFESSIONAL DIPLOMA

Recognising your specialist expertise and competence.

Guidance notes for:
IHE Professional Diploma

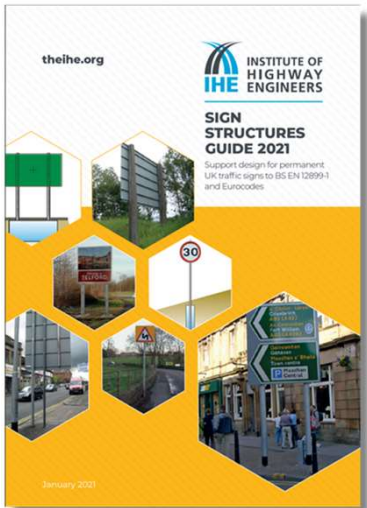
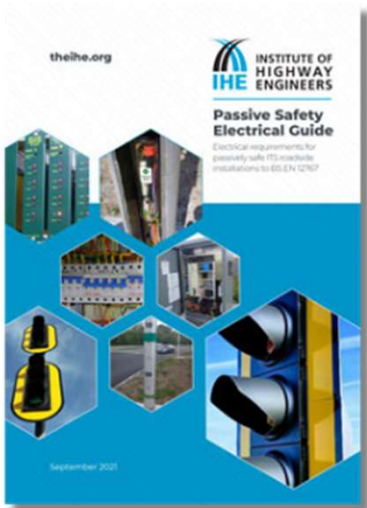


GUIDANCE NOTES IHE PROFESSIONAL CERTIFICATE

Recognising your specialist expertise and competence.

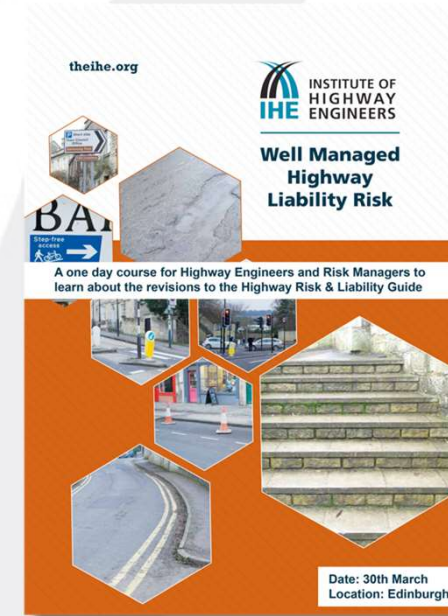
Guidance notes for:
IHE Professional Certificate





OUR PUBLICATIONS

The IHE has published several documents as well contributing to many other important documents used in the highways sector.



KEEP UP TO DATE AND AHEAD IN THE INDUSTRY



Weekly eBulletins - containing jobs, news, technical papers and events



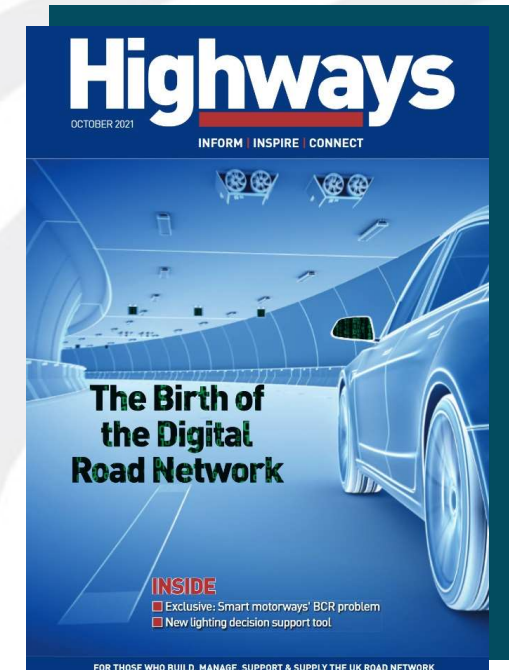
FREE Highways Magazine - digital or hard copy



Access to local Branch meetings and visits



Members area on IHE website with document downloads, networking opportunities and forums



CONTRIBUTING TO YOUR PROFESSION



Influence Government & Department for Transport policy



A voice at Engineering Council, APPGs and PACTS



Raising your status



Become a Mentor, Reviewer or JBM visitor



Promote engineering locally in schools - STEM Ambassadors

IHE's Highway Engineering Academy

FIVE KEY OBJECTIVES

Training a dedicated workforce with the specialist skills and expertise the industry needs to build the UK's road network



To create and signpost opportunities for new entrants in the sector



To encourage new entrants into the highway engineering sector



To support existing highway professionals in career development



To commission and create new educational and training courses specifically aimed at highway engineers



To raise the profile of highway engineers and get their career, skills and wider profession recognised

ADDRESSING THE SKILLS GAP

- Recognised and academically rigorous qualifications in highway engineering disciplines through accrediting learning and training.
- Highways industry knowledge, expertise and skills, providing a lifelong career profile for highways practitioners.
- Monitoring and addressing highways sector skills needs through industry-led training to ensure students are getting the highways engineering skills employers want.
- Pathways to Professional Registration by signposting quality highway professional development opportunities.
- Commissioning and promoting Professional Diplomas/Professional Certificates in highway engineering subjects.
- Registers for competent highway engineers.

EXAMPLES OF IHE TRAINING COURSES



Highway Law Principles and Practice

This course is intended to deliver a broad understanding of the law on Highways (in theory and practice) principally for highway engineers but also for anyone requiring additional knowledge of this area of law.



Introduction to ITS (Online)

This 2 day course aims to provide an introduction to ITS outlining an understanding of the principles of the use of ITS and also provide confidence on the principles and practices of its deployment.



Traffic Signal Control From Design to Implementation

This course is for managers, engineers and technicians involved in the management, design or implementation of traffic control systems.

WHERE DOES IT ALL FIT IN?

NQF/SQF Level	Academic				Career Path	HEA Level	IHE Grade
8 NQF 10 SQF	Doctorate/PHD						Fellow
7 NQF 9 SQF	Master's Degree MA, MSc, MPhil				CEng		
6 NQF 8 SQF	<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">University Degree BA, BSc</div> <div style="width: 20%;">Foundation Degree</div> <div style="width: 20%;">HND</div> <div style="width: 20%;">HNC</div> </div>				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="width: 100px; height: 100px; background-color: orange; display: flex; align-items: center; justify-content: center;">IEng</div> <div style="width: 100px; height: 100px; background-color: darkblue; display: flex; align-items: center; justify-content: center;">Higher Apprenticeship</div> </div>	Professional Diploma	
5 NQF 7 SQF							Member
4 NQF 6 SQF							Associate
3 NQF 5 SQF	A Level	A2 AS	L3 Extended Diploma (National Diploma)	L3 Diploma (National Certificate)	<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="width: 100px; height: 100px; background-color: orange; display: flex; align-items: center; justify-content: center;">EngTech</div> <div style="width: 100px; height: 100px; background-color: darkblue; display: flex; align-items: center; justify-content: center;">Advanced Apprenticeship</div> </div>	Professional Certificate	
2 NQF 4 SQF	GCSE Grades A-C or 9-4		L2 Diploma (1 st Diploma)			Intermediate Apprenticeship	Student
1 NQF 3 SQF	GCSE Grades D-G or 3-1		L1 Diploma (Foundation)				
Entry Level 3	Key Stage 3		E3 Diploma (Foundation)				
	School/6 th Form		FE College		Engineering Council Professional Registration		

Highway
Engineering
Academy

Becoming a Member

MEMBERSHIP GRADES



Student



Apprentice (AppIHE)



Affiliate



Associate (AMIHE)



Member (MIHE)



Fellow (FIHE)



MEMBERSHIP GRADES

Your membership grade depends on your experience and qualifications

Student Member

Open to anyone studying a full or part-time qualification in a Highways/Civils/Transportation related subject

Affiliate Member

Open to professionals working in the industry (not necessarily an Engineer)

Apprentice Member (AppIHE)

Open to apprentices working in the highways industry following a formal training scheme

MEMBERSHIP GRADES

Your membership grade depends on your experience and qualifications

Associate Member (AMIHE)

Open in engineers with relevant engineering qualifications and/or 1 to 5 years experience in the industry

Member (MIHE)

An engineer with an accredited degree + 2 years experience
or
An engineers with 10 years experience (3 in a responsible position)
or
Possess EngTech, ICTTech or RITTech Registration

Fellow Member (FIHE)

An engineer with 15 years experience (5 in a responsible position)
or
Possess IEng, Advanced RITTech, CEng or CITP Registration

BENEFITS OF MEMBERSHIP



An internationally recognised qualification



Your route to CEng, IEng and EngTech



A rigorous but fair Professional Review



Enhanced professional standing



Access to members only area and 'MyCareerPath' CPD tools



Career progression/new opportunities



Friendly, informed support

Professional Registration

WHAT IS PROFESSIONAL REGISTRATION?

A formal recognition of an individual's qualification, experience & competence



It is a process by which professionals voluntarily demonstrate commitment to high standards

It underpins the systems and processes that ensure the current and future safeguarding of the highways industry.

Is administered by recognised professional bodies or institutions (ie the IHE) on behalf of the Engineering Council.

Currently over **228,000** Professionally Registered Engineers
(Engineering Council 2024)

PROFESSIONAL REGISTRATION

GRADES



Engineering Technician

ICT Technician

Incorporated Engineer

Chartered Engineer

Registered IT Technician

Advanced Registered IT Technician

Chartered IT Professional



BENEFITS OF PROFESSIONAL REGISTRATION TO AN EMPLOYER

Demonstrates competence and high standards

Possible mitigation of potential **liabilities** if an **accident or incident occurs**

Demonstrates your investment in your employees to improve retention



Ensures you are employing skilled professionals

Confidence that employees keep up to date through CPD and work to a code of conduct set out by a professional engineering institution

BENEFITS OF PROFESSIONAL REGISTRATION FROM AN EMPLOYEE'S PERSPECTIVE

- Attain industry recognition for your years of experience, expertise and hard work
- Demonstrate your commitment to professional standards
- Improve your career prospects
- Are entitled to post-nominal letters after your name
- Your credentials provide credibility, assuring your employer that you're qualified for the task
- Shape the future by participating in committees to shape policies and standards



Registration is open to any practicing engineer or technician who can demonstrate the required competence

DEVELOPING CLOSER CO-OPERATION WITH THE HIGHWAYS SECTOR

Developing closer cooperation

Professional Development Partnership



INSTITUTE OF HIGHWAY ENGINEERS
theihe.org

The Institute of choice for highway engineers



INVOLVEMENT WITH ACADEMIA



Academic-Professional Partnership Scheme

This is to certify that the Institute of Highway Engineers has entered into an Academic Professional Partnership Scheme with

London South Bank University

IHE President

Director of Professional
Development



Academic-Professional Partnership Scheme

This is to certify that the Institute of Highway Engineers has entered into an Academic Professional Partnership Scheme with

Coventry University

Mr Steve Spender
CEO, Institute of Highway Engineers

Head of School of Energy, Construction
and Environment
Coventry University



IN SUMMARY

Benefits for employers

- Demonstrates competence and high standards
- Ensures you are employing skilled professionals
- Possible mitigation of potential liabilities if an incident occurs
- Confidence that employees keep up to date with standards
- Provides evidence of the competencies of employees.
- Demonstrates your investment in your employees to improve retention

Benefits for employees

- Gains industry recognition for your skills
- Demonstrates your commitment to professional standards
- Improves your career prospects
- Are entitled to use post-nominal letters after your name
- Assures your employer that you are qualified for the task
- Help to shape future policies and standards

Thank you for
your time

Any questions please contact
membership@theihe.org or visit our website at
www.theihe.org

