



# **An Introduction to the Institution of Railway Signal Engineers**

**[www.irse.org](http://www.irse.org)**

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# Introduction

The Institution of Railway Signal Engineers is

- **the principal forum for the exchange of information on all aspects of railway signalling and telecommunications** at all levels
- an **international organisation** having more than **4 000** members in over **fifty** countries world-wide

And it

- Complements the larger institutions such as IMechE and IET by providing specific services focused on the **signalling and telecoms profession**



# So – what can the IRSE do for you?

It **keeps you up-to-date** with technical advances through the presentation of:

- topical papers
- technical publications
- IRSE NEWS magazine
- seminars
- conferences





# So – what can the IRSE do for you?

It helps you **meet other professionals** through:

- local meetings
- technical visits
- international conventions
- seminars
- conferences







# So – what can the IRSE do for you?

It promotes your **career development** by means of:

- the licensing scheme
- recognised professional accreditation
- a range of learning opportunities at discounted rates

It encourages **achievement** through:

- examination
- awards





# Events at local and National level

## Held regularly

- in London and
- other centres around the UK
- around the world

Keeping members informed of the latest ideas and developments

- this keeps you  
**up-to-date**
- promotes your own  
**personal development**
- enhances your  
**career opportunities**





# UK Regional & Worldwide Centres

There are **five local centres** in the UK where additional activities are organised

*Western*

*Plymouth*

*Midland & North Western*

*Scottish*

*York*

Local sections around the world hold technical meetings & seminars

*Australasia*

*The Netherlands*

*Hong Kong*

*India*

*Singapore*

*Southern Africa*

*North America*

There is also a very active

*Younger Members  
Section*



# Younger Members



## ‘Younger Members’

Specific activities are organised for those who are undergoing training or recently qualified in the profession





**Textbooks and CDs** cover a wide range of modern signalling technology, and other areas are dealt with in booklets and technical briefs

- Introduction to Railway Signalling
- Railway Signalling
- Railway Control Systems
- European Railway Signalling
- Metro Signalling
- Railway Telecommunications
- Introduction to North American Signaling





# Publications

**The Proceedings** are the Year Book of the Institution containing the technical papers presented in London and a record of other activities



The Institution publishes **IRSE NEWS** on a regular basis

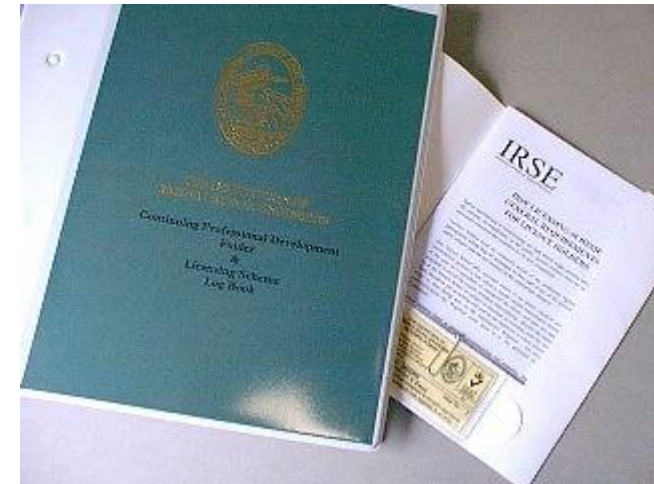
**This contains technical articles and informs members of the latest news of people and events within the profession**



# Licensing Scheme



On behalf of the rail industry, the IRSE operates a **scheme for the licensing of competent signal engineers**



There is a membership class of **'Accredited Technician'** specifically for those **holding IRSE licences or equivalent**, but who would not otherwise be qualified to join



# Annual Convention

The **Annual Convention** provides a **special opportunity for in-depth study**, linked with visits to working installations, so that ideas can be explained and then seen in practice.

**Venues are worldwide**







**Seminars and International conferences** are held, with a variety of presentations covering the latest developments and experience from around the world

These further **promote the global nature of the Institution**



# Technical Visits

**Technical visits to installations in the UK and other countries** provide further opportunities to see modern techniques in practice, embracing main line railways, metros and light rapid transit systems

**Other sections around the world also arrange visits** to installations of local interest





All **events**, organised at both national and local level, offer the opportunity to establish professional contacts and to discuss issues on neutral ground

Most are of a **technical nature**, some are purely **social**, with occasional family outings to include partners and families



# So - what can YOU do for the IRSE?

Make your experience available to others

- **join in the discussions**
- **share your knowledge**
- **voice your concerns**

We need people who care about the job they are doing and want to promote not just their own **professional development**, but the **development of their profession**





# Membership

## Voting Members:

### **Fellow, Member, Associate Member**

*(FIRSE MIRSE AMIRSE)*

- professional S&T engineers
- with appropriate academic qualifications or extensive relevant experience

## Non-Voting Members:

### **Accredited Technician**

- Licence holders

*The class of Accredited Technician is specifically for those holding IRSE licences (above 'Assistant' level) or equivalent*

### **Associate**

- engaged in, or interested in the profession

### **Student**

- undergoing a formal training programme or full time further education



# Engineering Council UK Registration

The **IRSE** is a nominated body of the **Engineering Council UK**

- Suitably qualified members may apply for registration through the IRSE:

**Chartered Engineer – CEng**

**Incorporated Engineer – IEng**

**Engineering Technician – EngTech**

# Further Details and help

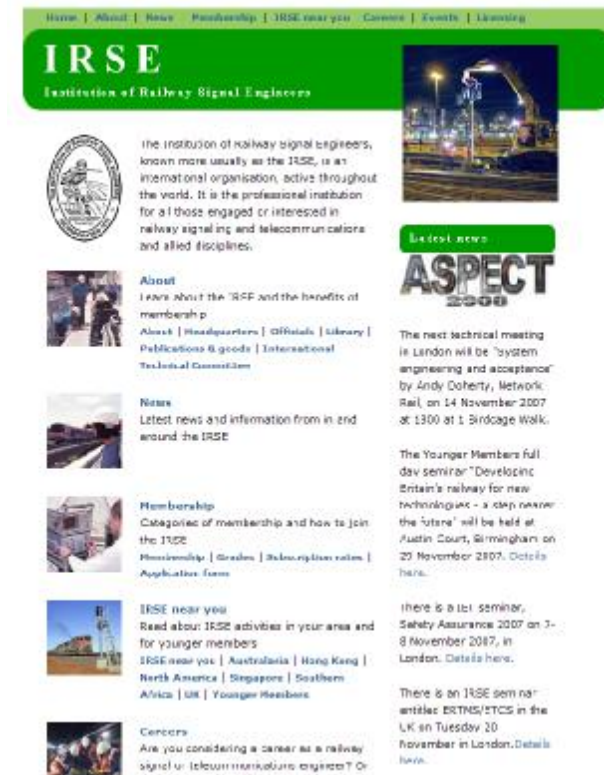
**Local recruitment representatives**

**Section Secretaries**

**IRSE posters**

**Institution's London Office**

**Web-site**





# Contacts and Further Reading

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