

What do YOU have to tell the world of Railway Signalling and Telecommunications?

What is ASPECT 2012?

Every few years the Institution of Railway Signal Engineers (IRSE) organises an international conference on the themes of Automation, Signalling, Performance, Equipment, Control and Telecommunications.

The next ASPECT conference will take place at the prestigious Queen Elizabeth II Conference Centre just opposite Big Ben in the heart of London, UK, from 10-12 September 2012. The timing makes this an extra special conference – just after the Olympic Games have been held in the city, and at the start of a year of special events to celebrate the IRSE's Centenary.

Who will be making presentations at the event?

Potentially YOU. The IRSE has issued a "call for papers", and this is open to anyone who is prepared to write and present in the conference language – English. You don't have to be a



member of the IRSE or well known in the profession – we are keen to have contributions from S&T engineers at all stages in their careers (2 years to 50 years in the profession), and from all types of organisation - railway

operators, manufacturers and suppliers, consultants, training providers, universities and government institutions. We would also welcome input from project managers, railway operations staff, and engineers in other railway disciplines.

What sort of topics will be covered?

The conference organisers will consider all proposals for papers that relate to the ASPECT themes, from research & development to project delivery, from traffic management to trackside components. We want contributions from all around the world, and from all types of railway - high speed, heavy freight, mixed traffic, metro, light rail and tram. See opposite for some suggestions for topics, but these are not in any way restrictive – if you have another topic in mind, we still want to hear about it.



What sort of presentations are expected?

The conference will be organised into a number of sessions, each comprising a number of 15 minute presentations and a discussion session. In addition, each presenter is expected to submit 8-10 pages of text and illustrations to go into the conference proceedings, which will be published on the IRSE web-site. We would also welcome other ideas for presentational material, such as multi-media or poster format.

How would I benefit from presenting at ASPECT 2012?

The tangible rewards are free admission to the conference, publication of your paper by the IRSE, and publicity for yourself and the organisation you represent. But more than that, ASPECT is a superb networking opportunity to engage with some key railway people from around the world and the feedback that you will receive in the formal Q&A session and informally from other delegates will be invaluable. Of course, in addition you have the satisfaction of knowing that you have made a contribution to sharing of best practice in the industry.

How do I find out more?

Go to the ASPECT web-site at www.irse.org/aspect for more information and a downloadable form to submit your response to the call for papers. The deadline for responses is 1 November 2011.

Automation Signalling
Performance Equipment
Control Telecommunications

Centenary of the IRSE

- State of the art around the world 100 years ago and today
- What are the greatest achievements in S&T over the century
- Where will we be in 100 years time?

Contribution of railway control to the sustainable railway

- Cost reductions
- Energy and environment
- Supporting economic development
- Customer satisfaction

London Olympics 2012

- Recent railway enhancements in the London area
- Managing mobility during the games

Train control systems and standards around the world

- ERTMS/ETCS in Europe and beyond
- CTCS in China
- PTC in North America
- Metro technologies

Rail Traffic Control Centres

- How big and how many?
- Roles of staff
- Processes and tools
- Informing the customer
- Loss of a control centre – disaster recovery

People issues in the S&T profession

- Recruitment
- Training
- Competency
- Career development

Optimisation of train movements

- Timetables
- Automatic train operation
- Driver advisory systems

CALL FOR PAPERS
ASPECT
2012
IRSE
INSTITUTION OF
RAILWAY SIGNAL
ENGINEERS

ASPECT 2012

Response to call for papers
to be emailed to aspect@irse.org by 1 November 2011

Author submits abstract to IRSE	1 November 2011
IRSE notifies authors of selected papers	January 2012
Author submits full paper to IRSE for review	April 2012
IRSE provides review comments to author	June 2012
Author submits finalised full paper to IRSE	July 2012
Author submits conference presentation material to IRSE	August 2012

Title of paper

Abstract – 500 words

Lead author (contact for all communications)

Organisation

Email address

Telephone

Country

Postal address

Other authors and organisations

How did you find out about this Call for Papers?

Terms and conditions

1. The conference language is English – translation facilities will not be provided.
2. Prospective authors shall submit a 500 word abstract of the proposed paper, containing enough detail to clearly convey the main points in the paper.
3. The selection of papers for the conference will be made by the organising committee on the basis of abstracts received by the specified deadline.
4. The IRSE reserves the right to commission additional papers after the closing date for submission of abstracts, if this is necessary to achieve a balanced programme for the conference.
5. Authors of selected papers shall prepare a full paper of 6-8 pages of text and illustrations and this must be submitted in a format that will be specified by the IRSE.
6. Full papers will be reviewed by the organising committee, and the IRSE reserves the right to remove from the conference programme any papers that are not received by the specified date, or do not comply with the required format and quality standards.

7. One of the authors will be invited to attend the conference, make a presentation of approximately 15 minutes, and participate in an ensuing panel session with questions from conference participants.
8. An author making a presentation will receive free admission to the conference on the day of the presentation; for authors from outside Europe this will be extended to the full duration of the conference.
9. Additional authors may only attend the conference on payment of the standard conference fees.
10. The IRSE will not pay any expenses incurred by authors in preparing the paper or attending the conference.
11. The authors shall grant a non-exclusive, perpetual and royalty free license to the IRSE, to publish the paper and associated presentation materials in any manner consistent with the aims and objectives of the IRSE – this is likely to be on paper for conference participants and additionally on the IRSE web site.
12. The decisions of the IRSE organising committee are final and no correspondence will be entered into.

