



Although it is the responsibility of manufacturers and suppliers of equipment to demonstrate its compliance with the latest EMC Directive, it is essential for specifiers and designers of new equipment to understand its possible effects on the existing electromagnetic environment. This course will guide you through the product compliance requirements of the EMC Directive, and strategies for meeting them. The programme gives an introductory insight into the practical test and design aspects of existing and future products.

Your programme

08.45 Registration and refreshments

09.00 Overview

- What is EMC?
- Definitions
- Importance
- EM coupling
- Source path victim
- Design and measurement.

09.50 EMC Directive and regulations

- Why is EMC necessary?
- Essential requirements
- Impact on product design
- Impact on installations
- Framework for producing a quality product
- UK regulations.

10.50 Refreshments

11.10 EMC standards

- Aim of standards
- Derivation of levels and limits
- Principles behind test methods
- Key elements
- The standards process and involvement of industry.

12.00 Designing for EMC

- The designer's challenge
- Design principles
- Devices, printed circuit boards, buildings
- Suppression.

12.45 Lunch

13.30 EMC testing and measurement

- The laboratory environment vs the real world
- Emissions testing
- Conducted
- Radiated
- Immunity testing
- ESD
- RF field
- Key points to watch
- In-house vs contracting out
- Working with EMC laboratories.

14.30 Refreshments

14.45 EMC management

- Managing the process
- Roles and responsibilities
- Control and test plans
- Suppliers and sub-contractors
- Documentation
- Benefits.

15.30 Course review and questions

15.45 Close.

Honeywell ED&S, Spring 2010 delegate

“Well presented explanation of EMC and the effects/ consequences”

ERA Technology Ltd is a UK Government BIS appointed Notified Body for EMC

Have you considered in-company training?

To discuss your training requirements,
please call the Events Team on +44 (0)1372 367319.



Your speakers



David Atkey - EMC Consultant, ERA Technology Ltd

David specialises in the EMC of complex installations. His experience includes development of cable separation tools for industry, the EMC assessment and management of complex installations, the clearance of equipment for use on aircraft and various other EMC quantitative and qualitative assessments. He has undertaken EMC consultancy for most industry sectors particularly in the areas of defence, the built environment and rail.



Adam Bullivant - EMC Consultant, ERA Technology Ltd

Adam is an EMC Consultant within the EMC & RF Assessments business of ERA Technology. His experience includes EMC design consultancy, control planning, measurement investigation, computer modelling and risk assessment.

Booking form

Please photocopy this form if you wish to register more than one delegate. Send a second person at a discounted price!

Delegate details

| |
|---|
| Name <small>Dr Mr Mrs Miss</small> |
| Job Title |
| Organisation |
| Address |
| Postcode |
| Telephone |
| Fax |
| E-mail |
| VAT number <small>(EU customers only)</small> |
| <input type="checkbox"/> Please tick if you are happy to receive further information about ERA Technology Ltd via e-mail. It is our policy NOT to supply your details to third parties. |

Bookings

I wish to make a firm booking for:

Introduction to EMC

7 March 2012

Fees*

| Fee rate | Fee | VAT@20% | Total | Please tick |
|--------------------|---------|---------|---------|-------------|
| Early Booking Rate | £432.00 | £86.40 | £518.40 | |
| Standard Rate | £480.00 | £96.00 | £576.00 | |

*AccessERA subscribers and additional delegates receive a 10% discount on these rates. If you subscribe to AccessERA and would like to use your AccessERA credits to attend, please contact The Events Team on: +44 (0)1372 367319. For more information on booking rates, please go to: <http://shop.era.co.uk>.

Payment method

Purchase order no.....

Payment of £..... is enclosed **OR** please charge to:
Access/American Express/Delta/Diners Club/Eurocard/Mastercard/Switch/Visa

Name of cardholder.....

Card number

Expiry date Issue No

Payment has been made by bank transfer

VAT registration no: GB 100 2026 06

For AccessERA use only

Invoice Paid AccessERA credits

BC12..... Date.....

Project No 40003.....

Venue:

Your course will take place at ERA Technology Ltd, Cleeve Road, Leatherhead, Surrey KT22 7SA, UK. It is a 15 minute walk from Leatherhead main-line station. Visitor car-parking is available on-site. A location map and directions are available at: www.era.co.uk/location.

Early booking rates:

Early booking rates are valid up to one calendar month before the date of the course and can only be claimed at the time of booking.

Additional booking rates:

Additional booking rates are applicable to second and subsequent delegates and may only be claimed at the time of booking.

Did you know?

An AccessERA subscription is an excellent way of accessing technical advice and information in the right format at the right time. All AccessERA subscribers receive a 10% discount on the current course price at time of booking when the booking is made directly with the Events Team. To find out more, please call us on: +44 (0)1372 367319 or e-mail: events@era.co.uk.

Ways to book:

<http://shop.era.co.uk>

Total security is assured and normal booking conditions apply.



+44 (0)1372 367319 - please be prepared to quote a purchase order number or supply us with credit card details.



+44 (0)1372 367321*



The Events Team, ERA Technology Ltd, Cleeve Road, Leatherhead, Surrey KT22 7SA.

* Please note that booking forms received without payment will be considered binding and invoiced automatically.

Enquiries:

Please contact the Events Team by calling: +44 (0)1372 367319 or e-mail: events@era.co.uk.

How to pay:

Payment must be made before attendance at the event and must be made in £ sterling only. Acceptable methods of payment are by cheque (payable to ERA Technology Ltd), credit card or bank transfer. Bank transfers, free of all charges, can be made to ERA Technology Ltd via: HSBC, 9 The Boulevard, Crawley, RH10 1UT; sort code: 40-18-22, account no. 22178095. When paying by bank transfer, please quote the relevant course, reference number and the delegate and company name.

Cancellations and transfers:

Cancellations and transfers must be received in writing to the following address: The Events Team, ERA Technology Ltd -AccessERA, Cleeve Road, Leatherhead, KT22 7SA. Cancellations and transfers received up to the 15th working day prior to the event will be subject to a charge of 20% of the invoiced course fee + VAT or 20% of the AccessERA credits charged. After this 15 day deadline, transfers cannot be accepted and cancellations will be subject to payment in full or 100% of the AccessERA credits charged. Substitutions can be made at any time.

ERA Technology Ltd:

ERA Technology Ltd works at the leading edge of advanced technology consultancy and design. The business provides specialist, high value-added, technology-based services including design and development, testing, assessment and expert advice. For further information visit: www.era.co.uk.

Please tick here if you would prefer not to receive details about future events or services offered by ERA Technology Ltd.

ERA Technology Ltd reserves the right to change, postpone or cancel at short notice any part of its published programme due to unforeseen circumstances. In the unlikely event of cancellation, a full refund will be made of the registration fee. ERA Technology Ltd disclaims any further liability. ERA Technology Ltd's Special Terms and Conditions - Conferences and Courses apply.