



Another EMC resource  
from EMC Standards

Free evening presentation on the EMC of Wireless  
Power Transfer

*Helping you solve your EMC problems*



**EMC & Compliance International 2020**  
 an Exhibition, TWEX, Training & Technical Workshops  
 and a free evening presentation on the EMC of Wireless Power Transfer

**Newsletter 3**

Join us at the Newbury Racecourse, on the 20<sup>th</sup> & 21<sup>st</sup> May 2020

For 2020 EMC-UK has joined forces with EMC Standards Ltd and re-launched the event as: **EMC & Compliance International**

an *independent* event at the updated facilities at Newbury Racecourse.

No longer limited to EMC, this new event covers *all* product compliance issues!

With easy access by road & rail and in easy reach of London Heathrow airport, the facilities include free parking and free access to the exhibition.

A range of local hotels, including the onsite Lodge are available to visitors, delegates, exhibitors & speakers.

**Exhibition**

Located on the ground floor of the Grandstand, Newbury Racecourse, with a range of stand sizes available, from 3X2.5M & 3M by any width required and a small number of larger stands available on request. All stands will be shell scheme and include two spotlights and a twin 13A socket. Additional electrical requirements and stand furniture will be available from the respective contractors.

For the current floor plan, please visit <https://www.emcuk.co.uk/Floor-Plan>

For the current list of exhibitors, please visit <https://www.emcuk.co.uk/Exhibitor-List-2020>

**Stand Pricing**

Discount	Availability	Per/Sqr M
Full Price	For all bookings received after the 17th January 2020	£220.00
10%	Confirmed booking with 20% deposit received by the 17th January 2020	£198.00

We are very pleased to introduce our new activity, to be held in the exhibition area:

**Ten Minutes with an Expert**

Free to all: delegates and visitors can ask questions of a wide variety of EMC & Compliance experts, with the time limited to 10 minutes for each visit to each expert.

The current list of 'TWEXperts' and their topics follows (we expect to announce more in the future) –



**Phil Carter, 17025 Assessments Ltd**

- ISO 17025
- Test Lab Accreditation
- Calibration
- Military EMC Testing
- Commercial EMC Testing
- Radio Testing
- EMC For Medical devices
- Complying with the RED
- Complying with the EMCD

**Dries Vanoost and Tim Claeys, Faculty of Engineering Technology, Technology Cluster ESAT, Mechatronics Group (M-Group) University of Leuven, Bruges Campus, Belgium**

- Managing the Functional Safety Risks and Other Risks that can be caused by EMI
- EMC Pre-Compliance Testing for CE
- Highly Accelerated Life Testing

**Michael Derby, TCB, CB, Notified Body, Regulatory Reviewer at ACB (American Certification Body, Inc.)**

- RED (Radio Equipment Directive) compliance
- RED EU Type Examination Certificates
- FCC USA Radio Certifications
- ISED Canada Radio Certifications
- FCC and ISED Electronics compliance (sDoC)
- Test Planning and Test Reduction
- Test Standards, Test Labs, Measurements
- Radio Module approvals
- Installing Radio Modules
- Combining radio and non-radio equipment
- Surfing, Karate, Mexican food, beach life

**Ian MacDiarmid, Visiting Professor in Applied Electromagnetics at University of Liverpool, 35 years in aerospace electromagnetic engineering. The final twelve years as Head of Electromagnetics at BAE Systems.**

- Electromagnetic Hazards (e.g. HIRF, EMC, EMP, DEW) – design, development, verification, qualification
- Installed antenna performance – design, development, verification, qualification

**James Pawson, EMC Problem Solver, Unit 3 Compliance**

- EMC problem solving
- Design for EMC
- EMC Pre-Compliance Testing

**Neil Bonter, CE & FCC Compliance Consultant (TCFs), Member of the REDCA**

- RED (Radio Equipment Directive) compliance (EU)
- EMC Directive compliance (EU)
- Machinery Directive compliance (EU)
- LVD & Electrical Safety
- Electromagnetic Exposure Safety
- Technical file construction
- RISK assessment
- On-site EMC Testing

**Charlie Blackham, Sulis Consultants Ltd**

- Radio Equipment Directive compliance – self declaration or using Notified Body
- EMC Directive compliance
- LVD compliance
- CE marking Technical Files
- RoHS Directive compliance
- FCC/IC/EU radio testing
- Radio modules and integrating radios into non-radio products
- Efficient EMC test planning

# Training Workshops

Wednesday 20<sup>th</sup> May

- The Physics of SI, PI and EMC without maths
- Circuit design for cost-effective SI, PI and EMC
- Shielding for cost-effective SI, PI and EMC

Thursday 21<sup>st</sup> May

- Filtering for cost-effective SI, PI and EMC
- Essential PCB design and layout for cost-effective SI, PI and EMC
- Advanced PCB design and layout for cost-effective SI, PI and EMC

# Technical Workshops

1. RED (the Radio Equipment Directive)
2. Real Time Spectrum Analysis
3. Simulation
4. Antennas
5. Transport, Systems and Installations
6. High Power EMI

The detailed programme will be announced shortly.

All of the presentations are by practising engineers invited by the organisers. No academic papers!

## Free evening event – the EMC of Wireless Power Transfer (WPT) by an IEEE EMC Society Distinguished Lecturer

The IEEE EMC Society's Distinguished Lecturer, **Professor Seungyoung Ahn** from the **Korean Advanced Institute of Science & Technology**, will speak on this topic in the early evening on May 20<sup>th</sup>

This is a free event that is open to everyone, very kindly organised by the IEEE EMC Society's regional chapter at the IEEE's expense – but you don't have to be a member of the IEEE EMC Society (or anything else) to attend, or to enjoy the free snacks and drinks provided.

---

An on-line booking service for delegates to the Workshops will be in place by 1<sup>st</sup> January 2020. Attending the exhibition, TWEX, and evening presentation is free.

In the meantime, for further details or to book a place please contact Alan Warner at [alanw.emc-eandt@outlook.com](mailto:alanw.emc-eandt@outlook.com) or call him on 07904 360297.

If we can be of any assistance to Exhibitors, Conference Speakers or Visitors please contact Alan Warner at [alanw.emc-eandt@outlook.com](mailto:alanw.emc-eandt@outlook.com) or on 07904 360297

If you don't want to receive these newsletters in future,  
please reply leaving the title as it is but with 'Unsubscribe' as the only text.