



Another EMC resource  
from EMC Standards

FREE EMC Training!

*Helping you solve your EMC problems*

## Technical Workshop

### 1. Title: EMC Test Challenges for Military/Electric Aircraft

Session Chair - Gavin Barber

Speaker 1 - Kieran Mayhew, QinetiQ, *Civil aircraft HIRF clearance techniques, an overview*

Speaker 2 - Joe Gallagher, Vertical Aerospace, *Challenges associated with the HIRF clearance of fully electric aircraft*

Speaker 3 - Luke Heritage, QinetiQ, *Challenges of performing E3 clearance on large military aircraft*

### 2. Title: prime contractor? - Don't leave EMC to the end

#### The EMC roles and responsibilities

Session Chair - Ian MacDiamid

Speaker 1 - Darren Hayes, Martin Grant, Ian Flintoft & Les McCormack, *Environmental Impact Assessment of Electromagnetic Fields for Major Rail Schemes*

Speaker 2 - TBD

Speaker 3 - TBD

### 3. Title: EMC Simulations

Session Chair - Tamara Monti

Speaker 1 - Jason Watkiss, Rolls&Royce, *Modelling of power converter cable related conducted and radiated emissions*

Speaker 2 - Dr Emma Kowalczyk, Jaguar Land Rover, *EM simulations in JLR*

Speaker 3 - Graham Roberts, Turntide Technologies, *Validated simulation of conducted emissions from transport power electronics*

### 4. Title: EMC Risk Management

Session Chair - Oskari Leppäaho

Speaker 1 - Mohammad Tishehzan, University of York, *Application of assurance cases in arguing EM resilience*

Speaker 2 - Dr. Alex Gavrilakis, Network Rail, *EMC Hazard/Risk Analysis process for railway projects, including a case study*

Speaker 3 - Oskari LEPPÄÄHO, Danfoss Drives, *EMC plan for Power Drive Systems to prevent interference with other systems*

### 5. Title: EMC Design for the Power & Electronics applications

Session Chair - Min Zhang

Speaker 1 - Dr Yegi Bonyadi, Lyra Electrolytic, *EMC Design Considerations for power converters*

Speaker 2 - Dr Rob Weller, Electrical Investigation, *Power Frequency EMC considerations for Low Carbon Technologies (LCT)*

Speaker 3 - James Pawson, Unit3 Compliance, *Unintentional Antennas and Where to Find Them*

### 6. Title: Practical compliance for manufacturers

Session Chair - Paul Duxbury

Speaker 1 - Alex Toohie, Texecom, *What Next? A Crash-Course in Some of the Regulatory Requirements Outside of Just EMC*

Speaker 2 - TBD

Speaker 3 - TBD