

# EMCUK 2015 EMC Training Workshops

## Tuesday 6<sup>th</sup> October 2015

08.30 – 09.00	Registration & Refreshments	
09.00 – 10.30	The Fundamentals of EMC	
	Chairman Nick Wainwright, York EMC Services Ltd	
	Understanding EMC & its role in Product Compliance	Nick Wainwright, York EMC Services Ltd
10.30 - 11.00	Refreshments & Visit to Exhibition Stands	
11.00 – 12.00	Fundamentals of Electromagnetics & Filtering	
	Glen Wallis, Wurth Electronics UK	
12.00 – 14.00	Lunch & Visit Exhibition Stands	
14.00 – 15.30	The Physics of Signal & Power Integrity and EMC	
	Presented by Keith Armstrong	Cherry Clough Consultants Ltd
15.30 – 16.00	Refreshments & Visit to Exhibition Stands	
16.00 – 17.00	The Physics of Signal & Power Integrity and EMC	
17.00	Finish	

## Wednesday 7<sup>th</sup> October 2015

08.30 – 09.00	Registration & Refreshments	
09.00 – 10.30	The PCB design techniques needed in 2015 for good SI, PI, and EMC	
	Presented by Keith Armstrong	Cherry Clough Consultants Ltd
10.30 - 11.00	Refreshments & Visit to Exhibition Stands	
	The PCB design techniques needed in 2015 for good SI, PI, and EMC	
12.00 – 14.00	Lunch & Visit Exhibition Stands	
	Practical EMC Demonstrations	
	Presented by Keith Armstrong	Cherry Clough Consultants Ltd
15.30 – 16.00	Refreshments & Visit to Exhibition Stands	
16.00 – 17.00	Practical EMC Demonstrations	
17.00	Finish	

# EMCUK 2015 EMC Technical Workshops

## Tuesday 6<sup>th</sup> October 2015

08.30 – 09.00	Registration & Refreshments		
09.00 – 10.30	IEMI & Cyber-Physical Systems		
	Chairman Paul Duxbury	Microwave vision Group	
09.00 – 09.30	Introduction to IEMI and HPEM Protection Standards	Dr Richard Hoad	QinetiQ
09.30 – 10.00	IEMI Effects and Susceptibility	John Dawson	University of York
10.00 – 10.30	IEMI Coupling & Propagation, shielding & cable coupling basics.	John Dawson	University of York
10.30 - 11.00	Refreshments & Visit to Exhibition Stands		
11.00 – 11.30	IEMI Threat and a Practical Response	William Turner	MPE Ltd
11.30 – 12.00	An Overview of the EU Project HIPOW	Barney Petit	QinetiQ
12.00 – 14.00	Lunch & Exhibition Stands		
14.00 – 15.30	Directives & Standards		
	Chairman by Nick Wainwright,	York EMC Services Ltd	
14.00 – 15.00	The New EMC Directive, 2014/30/EU	Nick Wainwright	
15.00 – 15.30	Multi Media Standards, A Framework for the Future	Nick Wainwright	
15.30 – 16.00	Refreshments & Visit to Exhibition Stands		
16.00 – 17.00	The New Radio Equipment Directive, 2014/53/EU	Michael Derby	ACB Europe
17.00	Finish		

## Wednesday 7<sup>th</sup> October 2015

08.30 – 09.00	Registration & Refreshments		
09.00 – 10.30	EMF & Rad Haz		
	Chairman Graham Edgecombe	HMGCC	
09.10 – 09.50	Assessing Electromagnetic Field Exposure Risks in Automotive Applications		
	Dr Alastair Ruddle	Horiba MIRA Ltd	
09.50 – 10.30	EMF Safety Risks in Industry	Hugo Bibby	Link Microtek
10.30 - 11.00	Refreshments & Visit to Exhibition Stands		
11.00 – 11.30	The EMF Directive 2013/35/EU	Clare McNicholas	HSE
11.30 – 12.00	Databases, Measurement & modelling: How to Comply with the EMF Directive 2013/35/EU		
	Dr Richard Findlay	EMF Comp Ltd	
12.00 – 14.00	Delegates Lunch & Exhibition Stands		

## Wednesday 7<sup>th</sup> October 2015

14.00 – 15.30	Systems Integration for Electromagnetic Compatibility		
	Chairman Professor Ian MacDiarmid	Liverpool University	
14.00 – 14.30	Electromagnetic Effects Considerations as an Integral Part of Systems Engineering		
	Ian MacDiarmid	Liverpool University	
14.30 - 15.30	The Significance of Zoning as the First step in Designing Lightning Protection		
	Professor Chris Jones,	MAI, BAE Systems, Warton Aerodrome, UK	
15.30 – 16.00	Refreshments & Visit to Exhibition Stands		
16.00 – 16.30	Solving the puzzle of automotive EMC integration	Dr Alastair Ruddle	Horiba MIRA
Ltd			
16.30 - 17.00	Systems Integration in the Rail Industry - achieving EMC		
	Ken Webb	EMC Team Leader railways	Mott MacDonald
17.00	Finish		

For further detail and to book a place or to visit the exhibition please go to [www.emcuk.co.uk](http://www.emcuk.co.uk) or contact Alan Warner at [aws-emc@talktalk.net](mailto:aws-emc@talktalk.net)