

LPRA

RADIO SOLUTIONS

June 2nd - 4th 2010

Robinson College

Cambridge University - UK

The European Conference and Exhibition for Short Range (Low Power) Radio Devices

- ▶ *for all that's new in regulations and technical developments*
- ▶ *for all involved in the SRD industry*
- ▶ *for all levels of expertise*
- ▶ *for YOU!*



Sponsored by the Low Power Radio Association



FOR COMPLIANCE AND SUCCESS

This year's Radio Solutions Conference is designed to show delegates how to get the best results from SRD systems and how European regulations apply to these devices. The emphasis is on practice rather than theory, and delegates do not need a background in electronics to benefit from the knowledge and experience of the presenters.

Besides top-level speakers from the regulatory world, the programme includes speakers from the cutting edge of technology.

If you need to know what's in store for the licence-exempt spectrum, the Radio Solutions conference is, as ever, the place to find out.

TALK TO THE MANUFACTURERS

An exhibition will run alongside the conference on Day 2 and Day 3. Come along and discuss your requirements with some well-known low power radio companies and see their latest products.

SSI

RFID systems



Wood & Douglas

Radio modules and bespoke systems



RF Solutions

RF systems, antennas & components



MK Consultants

Radio modules & wireless sensors



Radiometrix

Wireless solutions & RF modules



Applied Wave Research CRFS

CompoTRON
Panorama Antennas

DAY 1 Radio Solutions Workshop

An informal guide to compliance and getting the best performance from SRDs in the real world.

Session Chairmen: *Brian Back & Nigel Gaylard*

09.00 Registration Opens

09.20 Radio Product Approvals Around the World - *Steve Hayes, TRAC*

10.20 DIY guide to Compliance from testing to documentation - *N Gaylard, Trimerix*

11.00 Coffee

11.20 RF ASICs v discrete radio telemetry designs: a critical analysis - *Rob Garth, Wood & Douglas*

12.00 Performance Improvements of RF ASICs - *Andreas Laute, Melexis*

12.40 Lunch

14.00 The antenna - the weakest link: introduction to the theory and design - *Brian Collins, Antenova*

14.40 Microwaves - wireless but different: an introduction - *John Hallatt, Microwave Solutions*

15.20 Coffee

15.40 Energy consumption at the physical layer in low power SRD systems: analysis, comparison & optimization - *Conor O'Mahony, Analog Devices*

16.20 Firmware in embedded radios - *B Back, LPRA*

17.00 Close

DAY 2 Radio Solutions Conference

Session Chairmen: *Saad Mezzour (am); John Hallatt (pm)*

08.30 Registration and coffee

09.00 Opening Keynote Speaker: The Importance of ITU-R activities to the SRD Industry

Sergey Pastukh, Radio Research & Development Institute (NIIR), Moscow

09.40 European regulatory framework for SRDs covering the evolution of Recommendation 70-03.

Mike Low, Ofcom

The UK's implementation of SRD regulations - *Robin Donoghue, Ofcom*

10.20 Coffee

10.40 Developments in wireless medical implant applications - *Peter Chadwick, Zarlinc Semiconductor*

11.20 Open Standards for smart homes and buildings - *Joost Demarest, KNX*

12.00 Production and regulatory challenges for the integration of radio communications devices

Robert Ufford, Sivix Corporation

12.40 Lunch

14.00 Bluetooth, Zigbee, Z-wave, UWB, Wi-fi +NFC: comparison and examples - *Nick Hunn, WiFore*

14.40 Microwave Applications in the Automotive Sector - *Gerhard Rollmann, SARA Group*

15.20 Tea/Coffee

15.40 Short-range UHF transceivers for passive SAW sensors in vehicles

John Beckley, Transense Technologies

16.20 Mission Critical SRD Applications and receiver class requirements - *Panel Discussion*

17.00 Close

DAY 3 Radio Solutions Conference

Session Chairmen: *Philippe Magneron (am); John Greaves (pm)*

0830 Registration and coffee

0900 Opening keynote speaker: Revision of the R&TTE Directive and market surveillance

Lucio Cocciantelli, OFCOM Switzerland

09.40 FCC Spectrum Strategy and its impact on SRDs - *Julius Knapp, FCC*

10.20 Coffee

10.40 Wireless microphones: a future? - *Alan March, Sennheiser*

11.20 ETSI Generic Standards for SRDs - *Nick Long, Great Circle Design + Michael Sharpe, ETSI*

12.00 Smart Metering in the UK - *Jeff Cooper, Elster Metering*

12.40 Lunch

14.00 RFID Technology: the Use of Phased Array Antennas - *Dr William Davidson, Solutions BiPhAR*

14.40 Bluetooth, ZigBee and other SRDs: Certification, Qualification and Regulatory Testing Unravellled

Joe Lomako, TRAC Global

15.20 Tea/Coffee

15.40 Spectrum Harmonization - *Panel discussion*

16.20 Winding up session - *Saad Mezzour, LPRA*

Further information on these topics can be found on www.lpra.eu. Please also check this website for any late changes to the programme.

VENUE

Robinson College, Grange Road, Cambridge CB3 9AN.

Free parking is available at the college's sports ground, left at the end of Adams Road (10 minutes' walk or by shuttle bus).



How to find us - by road from the M11

1. Exit at Junction 12 onto the A603 Barton Road
2. Follow signs for Cambridge along Barton Road
3. Less than half a mile after entering the city turn left onto Grange Road
4. Half a mile on the left is the College (distinctive red brick building, opposite the library tower)



RATES

Radio Solutions Workshop (Day 1)

Conference Day 2 or 3

Conference Days 2 and 3

LPRAs members

£265 (€305)

£250 (€285)

£370 (€425)

Non-members

£365 (€420)

£350 (€400)

£525 (€600)

REGISTRATION

Please register online at www.lpra.eu

Remember to indicate which conference day(s) you wish to attend. Payment is required prior to the event. Once you have registered you will receive full information on discounted hotel rates, on-site registration times, etc.



A SPECIAL GALA DINNER!

Register quickly as space is limited!

The LPRAs has arranged a gala dinner in the Upper Hall at Jesus College on June 3rd. Priority will be given to speakers and exhibitors, but conference delegates will be offered the remaining places. This is a unique opportunity to dine in one of Cambridge University's oldest and most famous colleges, founded in 1496.



For further information on the Radio Solutions 2010 Conference & Exhibition, please visit www.lpra.eu or contact the organizer: stella@stiegeler.f2s.com