



**RADIO  
SOLUTIONS 2019**



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**16TH & 17TH MAY 2019  
NEDAP, GROENLO, THE NETHERLANDS**

# **ALPHABETICAL LIST OF LPRA RS2019 SPEAKERS**

**INCLUDING LINKS TO  
THEIR POWERPOINT  
PRESENTATIONS ©**

# Ben Campbell

## DAY 2 PRESENTATION 12



Ben Campbell

**Ben Campbell** is a Project Manager and has been working at Product Compliance Specialists, a global type approval and regulatory intelligence provider, since January 2015. Ben's role entails working with manufacturers, determining global approval requirements and evaluating manufacturer equipment for compliance with global rules and regulation, before managing the Type Approval applications globally in up to 170 countries and territories.

More recently, Ben has begun working with a number of UK-based IoT manufacturers making their first foray into global approvals, working with specific target country lists to determine approval strategy and global requirements for technologies including 2.4GHz proprietary mesh network technologies and LoRaWAN.

### Ben's Presentation :

#### “India Type Approval Requirements”

##### PRESENTATION CONTENT :

This presentation contains an overview of Indian Type Approval requirements and provides a brief introduction of the various certification schemes for India which must be considered for low power devices and other types of transmitters.

The presentation will discuss the new MTCTE Approval Scheme where certification is due to go live over the course of 2019, as well as recent developments with more established schemes for Radio (WPC) and Electronic and Battery Safety (BIS). An overview of each scheme will also be provided, covering documentation, regulatory testing, ongoing approval maintenance and approval strategy

PRESENTATION [LINK HERE](#) © Ben Campbell

# PIETER DE BEER

## DAY 1 PRESENTATION 6



**Pieter de Beer** has been involved in Radio Type approvals and EMC regulations from the beginning of his business career. After his technical education Pieter de Beer started at the Dutch Radio Agency. He was involved in EMC, Telecom and Cable Television regulations and testing until these activities were privatized. Until his retirement last summer (2018) he was Strategic Technical Expert at TÜV Rheinland and involved in all radio and EMC testing and certification including SAR. After his retirement he continued to represent the Notified Body department of TÜV Rheinland as chairman of the REDCA and EUANB. During his active career he has supported ETSI as TC secretary (RES04) for many years. The REDCA is the Compliance Association for the Radio Equipment Directive, see [www.redca.eu](http://www.redca.eu). The EUANB is the notified body group of the EMC notified bodies under the EMC Directive.

### Pieter's Presentation :

**“Latest Information on the Implementation of the Radio Equipment Directive (RED)”**

#### PRESENTATION CONTENT :

Items currently under discussion within the EU and other relevant concerns related to future requirements for showing compliance with the RED

**PRESENTATION [LINK HERE](#) © Pieter de Beer**

# MICHAEL DERBY

## DAY 2 PRESENTATION 10 & 11



Michael Derby

**Michael Derby** is the senior regulatory engineer and Director of ACB in Europe; a worldwide radio certification specialist company. He is a TCB for the FCC, an FCB for Industry Canada and a Notified Body for the EMC and RE Directive. Michael has served as the Chairman and Vice-Chairman of the TCB Council and is an active member of the REDCA; acting as the liaison between the two groups. He is also the Secretary of the EMC Test Lab Association. Over the last few years, Michael has spent a lot of time working on the topic of radio modules and the installation of approved radio modules; responsible for writing official guidance documents for compliance with the FCC Rules and RE Directive (RED). Within ACB, Michael is responsible for ACB's product certifications, manufacturer guidance and training activities. Michael's past experience includes product development, testing and certification for test laboratories and manufacturer.

### Michael's Presentation :

#### “Radio Modules, Approval and Installation”

##### PRESENTATION CONTENT :

With the modern world of the IoT and connected equipment, everyone wants a wireless device but not everyone is a radio manufacturer. Radio modules are manufactured by radio manufacturers and installed into other devices, by the manufacturers of the typically non-radio devices. Approval of a radio module may be possible, or in some cases mandatory. Installation of a radio module may save some effort for the installer but opens up a whole new set of requirements which most installers do not understand. Michael's presentation will cover the requirements for both the module manufacturers and the installers, when looking at the markets for the USA, Canada, Japan and the EU.

PRESENTATION [LINK HERE](#) © Michael Derby

# ROWAN DE VRIES

## DAY 2 PRESENTATION 14



**Rowan de Vries** is an EMC and Spectrum Engineering specialist for the Dutch Radio Agency. Since 2018 he works for the spectrum management department, representing the Netherlands in various CEPT and CISPR groups and subgroups. These groups perform spectrum engineering studies in which he participates, he also writes or participates in writing the associated technical study reports. He is working in a small group of specialists answering complex technical questions for the agency on a daily basis. Before that he studied Electrical Engineering, specialization Telecommunication at the University of Twente.

### Rowan's Presentation :

**“Current State of Affairs for WPT-EV in CISPR and CEPT”**

#### PRESENTATION CONTENT:

Wireless power transfer for electric vehicles is coming your way, but should you care? Charging vehicles fast requires a large amount of RF power (79-90 MHz), but what about the power in the spurious emissions? This presentation will provide a comprehensive overview of what is going on where for WPT-EV and what levels of EMC/spurious your product may soon expect.

PRESENTATION [\*\*LINK HERE\*\*](#) © Rowan de Vries

# DAVID DONACHIE

## DAY 2 PRESENTATION 15



**David Donachie** is a technical regulatory specialist working for Ofcom in London. He specialises in the regulations governing use of short range devices and represents the UK and Ofcom in CEPT and ETSI meetings.

David has been with Ofcom since its formation in 2003. He previously worked for the Radiocommunications Agency investigating cases of radio interference out in the field. His technical career began in Scotland as a civilian technician working for the British Army's Royal Electrical and Mechanical Engineers and he studied radio engineering at Stow College in Glasgow. He has worked in the commercial sector as a field radio service engineer before relocating to England to work in the policy unit at RA headquarters and is now based in London.

### David's Presentation :

**“Opportunities in the 900 MHz Band”**

**PRESENTATION [LINK HERE](#) © David Donachie**

# ROBIN DONOGHUE

## DAY 1 PRESENTATION 3



**Robin Donoghue** from the European Communications Office (ECO) is their representative to the CEPT WG-FM and several of its sub-committees. Until autumn 2018 Robin worked for the UK regulator Ofcom, where he had responsibility for SRD regulation for many years. Robin also represented Ofcom at the WGFM and WGSE.

Robin is an engineer and an active member of the Institution of Engineering and Technology. He received his engineering higher education and spent his early career in the UK Ministry of Defense.

### Robin's Presentation :

**“Recent and Planned Changes in SRD Regulations”**

#### PRESENTATION CONTENT :

In this presentation I will set out recent changes to Rec 70-03 and I will set out a longer view on the opportunities ECO see. This will focus on the mmWave (60 GHz) opportunities.

**PRESENTATION [LINK HERE](#) © Robin Donoghue**

# DANIEL HARTNETT

## DAY 1 PRESENTATION 9



Daniel Hartnett

**Daniel Hartnett** is a graduate of the University College Dublin in Ireland. In his current role as Business Development Director for the DECT Forum, he is responsible for the development and implementation of industry strategy in the area of 5G (IMT-2020 approval at ITU-R) as well as driving brand development, shaping the future of DECT and its derivatives, overseeing the openD open source development project, streamlining the certification programs, and guiding the DECT Forum to make sound decisions on behalf of its members and the industry. He has a strong background in the semiconductor industry and in particular VoIP, operating in product marketing roles at Motorola Semiconductor, Siemens, Infineon and Lantiq. At

Lantiq, Daniel performed the dual role of Product Marketing manager and Chairman of the CAT-iq working group in the DECT Forum, overseeing the successful integration of VoIP over DECT (CAT-iq) in the home gateway. In 2012, he moved to the system side to work for Siedle door and Building communications embarking on the transition to VoIP and in 2015 returned to the DECT Forum to perform his current role. Current Role: Business Development Director DECT Forum

### Daniel's Presentation :

“The Changing Face of DECT”

**PRESENTATION \* [LINK HERE](#) © Daniel Hartnett**



# JULIUS KNAPP

## DAY 1 PRESENTATION 5



Julius Knapp

**Julius Knapp** has been with the FCC for 44 years and has served as the Chief of the FCC's Office of Engineering and Technology (OET) since 2006. OET is the Commission's primary resource for engineering expertise and provides technical support to the Chairman, Commissioners and FCC Bureaus and Offices.

He received the FCC's Silver and Gold Medal Awards for distinguished service at the Commission as well as the Presidential Distinguished Rank Award for exceptional achievement in the career Senior Executive Service. Mr. Knapp has been the recipient of the Eugene C. Bowler award for exceptional professionalism and dedication to public service; the Federal Communications Bar Association Excellence in Government Service Award; the WCAI Government Leadership award; the National Spectrum Management Association Fellow Award; the Association of Federal Communications Consulting Engineers E. Noel Luddy Award; the Satellite Industry Association Satellite Leadership in Government Award; and, the Dynamic Spectrum Alliance Lifetime Achievement Award. Mr. Knapp is a Life Member of the IEEE. He received a Bachelor's degree in electrical engineering from the City College of New York in 1974.

### Julius' Presentation :

**“FCC Activities to Expand Spectrum for Low Power Devices”**

**PRESENTATION [LINK HERE](#) © Julius Knapp \* *Awaiting approval to publish***

# RÜDIGER MARTIN

## DAY 1 PRESENTATION 4



**Rüdiger Martin** Policy Officer, Radio Spectrum Unit, DG CONNECT, EU Commission Responsibilities:

EU level spectrum policy development and implementation for short-range devices including RFID, spectrum for drones as well as shared use of spectrum as a horizontal topic and spectrum issues falling under the Radio Equipment Directive.

Past:

Rüdiger has been working for the European Commission since 2008. He joined the Directorate General Communications Networks, Content and Technology (DG CONNECT) to work as a scientific programme officer on research funding and research policy in the area of network technologies. Since beginning of 2015, he continues his professional path in spectrum policy. Before joining the Commission, Rüdiger worked for several years as a researcher in the area of performance analysis of network technologies, an area in which he also received his PhD. He studied computer science and mathematics in Germany and the US

### Rüdiger's Presentation :

**“The EU Spectrum Regulatory Framework for Short-Range Devices (SRDs)  
A Proven Path to Innovation”**

**PRESENTATION [LINK HERE](#) © Rüdiger Martin**

# DR BENOÎT PONSARD

## DAY 1 PRESENTATION 2



Dr Benoît Ponsard

**Dr Benoît Ponsard** is Director of Standardization at SIGFOX, the world's leading provider of dedicated connectivity for the Internet of Things.

Before joining SIGFOX by end 2014, Dr Ponsard spent most of his career in the telecom industry where he held various R&D positions within major worldwide companies. From 2004 to 2010, Dr Ponsard was appointed as professor at Grenoble University (France), where he taught telecommunication and conducted researches in the field of sensor networks.

In 2009, Benoit Ponsard founded Kimeggi, a consulting company specialized in innovation for machine connectivity. Benoît Ponsard is graduated from Ecole Supérieure d'Electricité (France) in 1985 with a master degree in Communications. He obtained his PhD degree from Telecom ParisTech (France) in 1991.

### Benoît's Presentation :

**“UNB, a Disruptive Paradigm for the Radio-Communication Industry”**

#### PRESENTATION CONTENT :

UNB is an innovative way to use the SRD spectrum, based on concepts already known in World War II but revisited by Sigfox recently. This talk will describe UNB technology, highlighting its strengths for connecting objects for the IoT.

**PRESENTATION \* [LINK HERE](#) © Dr Benoît Ponsard \* For LPRA Members only**

# PIETER ROBBERN

## DAY 2 PRESENTATION 16



**Pieter Robben** is a regulatory review engineer, employed by American Certification Body Inc. (ACB, Inc.). Pieter is a TCB for the FCC, an FCB for ISED (formerly Industry Canada), a certification body for Hong Kong (OFCA), an RCB for Japan (MIC) and a Notified Body for the Radio Equipment Directive 2014/53/EU and EMC Directive 2014/30/EU. Pieter has been reviewing FCC applications since before the TCB program was created. He is well known in the European community as past chairman of the former R&TTE Compliance Association. Pieter has been working with MIC Japan matters before and since the inauguration of the Japan-EU and Japan-USA Mutual Recognition Arrangements. Pieter's past experience includes EMC, radio and safety testing and certification for test laboratories and manufacturers. He has been in the industry for more than 23 years.

### Pieter's Presentation :

“The radio certification system in Japan”

PRESENTATION [LINK HERE](#) © Pieter Robben

# MICHAEL SHARPE

## DAY 1 PRESENTATION 8

Michael Sharpe



**Michael Sharpe** received his PhD from the University of Essex in the UK. Since then, he has worked at BBC Television, Ford Motor Company and the UK Radiocommunications Agency before joining ETSI in 1995. At ETSI he has occupied several roles, including Vice-President of ETSI Standardisation Projects, Director of Technical Strategy and most recently Director of Spectrum and Equipment Regulation.

In his current role, Michael Sharpe is responsible for ensuring effective co-operation of ETSI's technical activities with the work of key regulatory bodies and partner standards bodies at the National, European and Global level. His current priorities include working with the European Commission to support the smooth introduction of the Radio Equipment Directive, and the continuing close co-operation with CEPT and the Commission Radio Spectrum Unit to ensure that

ETSI Harmonized Standards and Regulations on radio frequency use are developed in a co-ordinated and effective manner.

ETSI is a producer of globally applicable standards for Information and Communications Technologies (ICT), including fixed, mobile, radio, converged, broadcast and Internet technologies. ETSI is officially recognized by the European Union as a European Standards Organization, and produces Harmonized Standards which allow self-declaration of conformity against European regulatory requirements. ETSI standards help ensure the free movement of goods within the single European market and help to boost industrial competitiveness.

### Michael's Presentation :

“Harmonised Standards Recent Developments”

PRESENTATION [LINK HERE](#) © Michael Sharpe

# **TJIBBE VAN DER LANN**

## **DAY 2 PRESENTATION 13**



**Tjibbe van der Laan**

**Tjibbe van der Laan** is Product Manager within Nedap Retail. Since the 70's, Nedap Retail provides RF applications to prevent theft in fashion and food retail. In the last 10 years, Nedap Retail has gained knowledge about RFID which is applied in their loss prevention and stock management solutions. In the last few years, Nedap Retail has positioned itself as the global leader in RFID-based solutions in fashion retail.

As a product manager, Tjibbe van der Laan is responsible for the stock management software products based on RFID. Within the organization he represents the voice of the customer to determine the product roadmap. Since Nedap Retail is precursor in the field of RFID-based stock management, Nedap plays an active role in advising their customers how to implement RFID successfully. We foresee privacy-related issues which needs to be tackled to succeed the adoption of RAIN RFID.

### **Tjibbe's Presentation :**

**“How to Prevent Sabotage and Ensure Consumer Privacy with RAIN RFID”**

**PRESENTATION [LINK HERE](#) © Tjibbe van der Laan**

# FATIH MEHMET YURDAL

## DAY 1 PRESENTATION 1



Fatih Mehmet Yurdal

**Fatih M. Yurdal** spent 30 years in the field of radio spectrum management. His long lasting experience covers the radio regulatory matters for all kinds of telecommunication systems, as well as telecommunication standards and market related issues. He holds a BSc degree in Physics Engineering and MSc degree in Satellite Communications Engineering (obtained from University of Surrey – UK).

He worked 14 years for the Turkish Radiocommunication/ Telecommunications Regulatory Authority. He served as senior engineer, Director of the “Land Systems Frequency Management Dpt.”, Head of the “Standardisation and Market Surveillance Dpt.”, Head of the “International Technical Relations Dpt.”, Deputy Director General of the radio regulatory Agency, Director General and CEO of the “incumbent telecommunications operator Turk Telekom AS”, and finally the founder-President and Chairman of the Board of Directors of the independent “Information and Communication Technologies Authority” of Turkey.

He chaired two ITU World conferences, WRC-2000 and WTDC-02, and he was awarded with silver and gold medals by ITU. Fatih M. Yurdal also served at the European Radiocommunication Office (ERO, later ECO) in Copenhagen as Expert for “Frequency Management and Regulatory Affairs for more than 8 years. He also served as the chairman of “Short Range Devices Maintenance Group (SRD/MG) of CEPT for 6 years. After leaving ECO in 2010, he established his own consultancy company “Bolt & Yurdal Consulting ApS” in Denmark, and he has been working as a consultant in the field of telecommunications since then.

He is involved in the following activities:

On the ETSI level: He is a permanent participant of ETSI TC ERM and TG28. He also participates TG DMR, TG30, TG UWB and TG SRR as necessary. He is involved in developing a number of system reference documents and harmonised ETSI Standards for radiocommunication equipment within these task groups.

On the CEPT level: He’s been a permanent participant to WG FM, WG SE and WG CPG for many years. At the moment, he is the chairman of PT SE24, which is responsible for sharing and compatibility studies for SRDs. He is involved in SEAMCAT and MCL simulations in this task.

On the EC Level: During his term at ECO, Fatih M. Yurdal was responsible for the relations between CEPT countries and European Commission. He participated many Radio Spectrum Committee meetings of the EC together with the ECC chairman. He was also the permanent representative of CEPT in TCAM Committee of EC.

On the ITU level: He participated all ITU World Radiocommunication Conferences held up to now (WRC-93, WRC-97, WRC-2000, WRC-03, WRC-07, WRC-12 and WRC-15), either the head of Turkish delegation, or ECO representative or representing the sector members.

**Fatih’s Presentation :** “SRD Regulation in Turkey”

**PRESENTATION [LINK HERE](#) © Fatih Mehmet Yurdal**

# **SPEAKER SLOT CANCELLED**

## **DAY 1 PRESENTATION 7**

**Speaker's Presentation :**