



European Radiocommunications Office
1st CEPT Public Workshop on
Cognitive Radio and Software Defined Radio
12-13 January 2009, Mainz (Germany)



Programme

Day 1	Where we stand today
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12:00 **Registration**

13:00 **Opening of the workshop**

Mark Thomas, Director of the ERO

13:05 **Welcome to BNetzA**

Thomas Ewers, ECC Chairman, BNetzA, Germany

Key Note

13:10 An economist's perspective of CR and SDR

Phillipa Marks, Plum Consulting, United Kingdom

Session A: Introduction to CR and SDR: State of the art

Chairman: Paul Bender, BNetzA, Germany

13:35 Three Faces of Cognitive Radios: What are true opportunities and challenges

Marina Petrova, Aachen University, RTWH, Germany

13:50 The Modern Radio: Soft and Cognitive?

Peter Olanders, Ericsson, Sweden

14:05 Commercial Software Defined Radio and Cognitive Radio Activities in ETSI

Markus Mueck, Infineon Technologies, Germany

14:20 Dynamic Frequency Selection in 5 GHz RLANs: A step towards cognitive radio

Bruno Espinosa, ANFR, France

14:35 Discussion (chairman and speakers answering questions from the audience)

15:05 Coffee Break

Session B: Cognitive Radio: The Ultra-Wideband Detect-and-avoid (DAA) and the Digital Dividend UHF case

Chairman: Alexandre Kholod, Federal Office of Communications, Switzerland

15:35 UWB Detect and Avoid

Siew Yoon Tan, Ofcom, United Kingdom

15:55 Cognitive Radio: CEPT Regulatory Perspective in the Band 470-862 MHz

Alexandre Kholod, Federal Office of Communications, Switzerland

16:15 From taboo to rollout – Cognitive Radio developments in the US
Andrew Stirling, Larkhill Consulting Limited, United Kingdom

16:35 Discussion (chairman and speakers answering questions from the audience)

17:05 Drinks Reception

Day 2	Looking to the future
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Session C: SDR and/or CR towards dynamic and flexible use of spectrum resources? Identification of the Regulatory Issues and Technical Challenges

Chairman: Eric Fournier, ANFR, France

09:00 Regulatory framework for flexible and dynamic use of spectrum resources
Dirk-Oliver von der Emden, Federal Office of Communications, Switzerland

09:20 Technical challenges of cognitive radio
Marja Matinmikko, VTT Technical Research Centre of Finland, Finland

09:40 Update on the preparation of CEPT for AI 1.19 of WRC-11
Stella Lyubchenko, General Radio Frequency Centre, Russian Federation

10:00 Discussion (chairman and speakers answering questions from the audience)

10:30 Coffee Break

Session D: SDR and /or CR towards dynamic and flexible use of spectrum resources? Perspective from the industry

Chairman: Marcello Pagnozzi, ETSI

11:00 CR and SDR, the E3 view of the cognitive radio systems world
Wolfgang König (Alcatel-Lucent, Germany), Kari Kalliojarvi (Nokia, Finland), Klaus Moessner (University of Surrey, United Kingdom)

11:20 Urban Planning for RadioCommunications (URC): A Solution to the Spectrum Management Challenge
Yvon LIVRAN, Thales Communications, France

11:40 Challenges in Cognitive Radio
Carl Wijting, Nokia, Finland

12:00 Discussion (chairman and speakers answering questions from the audience)

Conclusion and closure of the workshop

12:30 Concluding remarks
Petri Mahönen, Aachen University, RTWH, Germany

13:00 End of Day2