

1st Seminar - Portuguese Committee of URSI
Radiocommunications - New paradigms and health impact

Lisbon, 28 November 2007
Rectory of *Universidade Nova de Lisboa*

Programme

- 9h30 – 9h45 **Opening Session**
José Manuel Amado da Silva, ANACOM Chairman
- 9h45 – 10h00 *Portuguese Committee of URSI*
Maria Luisa Mendes, Chairwoman of Portuguese Committee of URSI and ANACOM
Director of Spectrum Management
- 10h00-11h00 **Session 1**
Moderator – Luís Correia
- Effects of Mobile phones on Hearing Aids*
Manuel Pais Clemente and Laudelina Pais Clemente, Faculty of Medicine at Universidade do Porto
- Exclusion Zones Estimation for Base Station Antennas in Wireless Communication Systems*
Carla Oliveira, Instituto de Telecomunicações (Telecommunications Institute)/ Instituto Superior Técnico
- The Importance of Radio Metrology for Health Impact Evaluation*
Nuno Borges Carvalho, Instituto de Telecomunicações, Universidade de Aveiro
- 11h00-11h20 **Coffee break**
- 11h20-12h40 **Session 2**
Moderator – Manuel Pais Clemente
- Radioelectric environment at Vodafone Portugal*
Vitor Pena, Vodafone Portugal
- Updated results of the programme for measuring electromagnetic fields of the monIT project*
Luís Correia, Instituto de Telecomunicações / Instituto Superior Técnico
- The role of the Direcção Geral da Saude with respect to non-ionizing radiation*
Pedro Rosário, Direcção Geral da Saúde
- Evaluation of electromagnetic fields - The ANACOM perspective*
Vitor Rabuje and Armanda Martins, ANACOM
- 12h40 – 13h00 **Debate**
- 13h00-14h00 **Lunch**



Portuguese Committee of URSI

14h00-15h40

Scientific Sessions I Moderator - Nuno Borges Carvalho

Performance of 3.5G mobile networks

Ricardo Franco
Instituto Superior de Engenharia de Lisboa

Maximising Enhanced UMTS Performance using HSDPA technology

Pedro Vieira
Instituto Superior de Engenharia de Lisboa

Analysis of WIMAX data rate performance

João Pedro Eira
Instituto de Telecomunicações / Instituto Superior Técnico, Technical University of Lisbon

MAC with power control for Ultrawideband wireless sensor networks

Pedro Gonçalves Pimentel
Chipidea Microelectrónica, SA , Instituto de Telecomunicações / Instituto Superior Técnico

Behaviour of DVB-T/H system in Suburban mobile Channels

António Navarro
Instituto de Telecomunicações, Universidade de Aveiro

15h40-16h00

Coffee break

16h00-17h20

Scientific Sessions II Moderator - Luís Cupido

A Tool for the Calculation of Radio Coverage in Road Tunnels – Application to Cortado-Madeira Tunnel

Carlos Monteiro, Cliff Velosa, Pedro Vieira, António Rodrigues
Instituto Superior de Engenharia de Lisboa, Instituto de Telecomunicações / Instituto Superior Técnico

Advanced Multipath Mitigation Techniques for GNSS Receivers

Teresa G. Ferreira – Skysoft Portugal,

Non-Linear Distortion as a cause of Radioelectric Interference

José Pedro Borrego
ANACOM

A 5GHz survey of the Galactic Polarized Emission in Portugal

Rui Fonseca
Radioastronomy Group of Instituto de Telecomunicações, Universidade de Aveiro

17h20-17h30

Debate

17h30-17h40

Closing Session
Maria Luisa Mendes, Chairwoman of *Portuguese Committee of URSI and ANACOM*
Director of Spectrum Management



Portuguese Committee of URSI

Posters Session: To be held alongside main event in the Rectory Lobby

C-Band Polarimetry using a full digital correlator

José Bergano

Instituto de Telecomunicações, Universidade de Aveiro

Analysis and design of low-pass filters in a Suspended Microstrip Structure

Alicia Casanueva y Oscar González

Departamento de Ingeniería de Comunicaciones, Universidad de Cantabria

Stability and Exactitude of an FDTD Method for the Incorporation of Partially Magnetised Ferrites

José A. Pereda, Oscar González, y Ángel Vegas

Departamento de Ingeniería de Comunicaciones, Universidad de Cantabria

Results of studies of exposure of the general public to electromagnetic fields

ANACOM

Projecto monIT

Instituto de Telecomunicações/Instituto Superior Técnico

