



## Mobile VCE Workshop on Green Radio



23 June 2011, Brussels, Belgium

*In conjunction with the Wireless Innovation Forum*

*European Conference on Communications Technologies and Software Defined Radio*

### **Program**

#### **14:30 - Opening of the Workshop and First Session**

ICT-SACRA Green Radio and Energy Efficiency

*Stephanie Leveil, Thales Communications, France*

C2POWER: Cognitive radio and Cooperative strategies for POWER saving in multi-standard mobile terminals

*Jonathan Rodriguez and Paulo Marques, Instituto de Telecomunicações – Aveiro, Portugal*

Energy Savings through Site Renewal in an HSPA/LTE Network Evolution Scenario

*Gilbert Micallef, Aalborg University, Denmark*

*Preben Mogensen, Nokia Siemens Networks, Denmark*

*Hans-Otto Scheck, Nokia Siemens Networks, Sweden*

Reducing Energy Consumption in Future Broadband Wireless Networks through a Hierarchical Architecture

*Aizat Ramli and David Grace, University of York, UK*

PAPR and the Cubic Metric for Low PA Power consumption

*Terence Dodgson, Nokia Siemens Networks, UK*

*Yanyan Wu, Xi'an Jiaotong - Liverpool University, China*

#### **16:00 - Coffee Break**

#### **16:15 - Second Session**

Energy Efficiency of Relay Deployment in LTE-Advanced

*Chadi Khirallah and John Thompson, University of Edinburgh, UK*

Energy Saving Techniques in Layered Structure of LTE Systems

*Tao Chen, Ilkka S. Harjula, and Markku Kiviranta, VTT Research Centre, Finland*

Joint Optimal Power Allocation and Relay Selection with Spatial Diversity in Wireless Relay Networks

*Md H Islam and Zbigniew Dziong, Ecole de Technologie Supérieure, Canada*

*Kazem Sohraby, University of Arkansas, USA*

*Mahmoud Daneshmand and Rittwik Jana, AT&T Labs Research, USA*

#### **17:00 - Panel Discussion: “Which Techniques Save the Most Energy from a Holistic Viewpoint?”**