



ETSI Workshop on ENERGY EFFICIENCY



AGENDA

20 – 21 June 2012, Genoa (IT)

<http://www.etsi.org/EEWORKSHOP>

SESSION 1: Setting the scene

Session chair: Beniamino Gorini, ETSI TC EE Chairman, Alcatel-Lucent

09:00 Welcome and Workshop Introduction

Beniamino Gorini, ETSI TC EE Chairman, Alcatel-Lucent

09:30 KEYNOTE: Energy efficiency in (ICT) products: ecodesign, energy label, energy star

Ulrike Nuscheler, DG ENER C3

10:00 KEYNOTE: Standardization as a driver for Energy Efficiency and the role of ETSI

Jonas Sundborg, ETSI Board Chairman, ETSI Green Agenda care taker

10:30 NETWORKING COFFEE
in parallel with poster sessions

A DTN Perspective on Mobile Relays for Cellular Networks

Vasilis Friderikos, King's College London, University of London

GEYSERS : Energy Efficiency and CO2 Emissions Considerations in Integrated IT and Optical Network Infrastructures

Anna Tzanakaki, Geysers Project (by Athens Information Technology)

An Overview of Research Advances in the Mobile VCE Green Radio Project

Timothy O'Farrell, University of Sheffield

Energy Efficient Sleep Mode Management for Cellular Networks

Simone Morosi, Università di Firenze - CNIT

TREND results in energy efficient networking

Marco Ajmone Marsan, Politecnico di Torino

SESSION 2: Current standardization initiatives

Session Chair: Dong Hi Sim, ETSI TC EE Technical Officer

11:00 IEC and CENELEC environmental standardization activity: overview of IEC TC111 'Environmental standardization for electrical and electronic products and systems ' and CENELEC TC 111X 'Environment'

Andrea Legnani, Comitato Elettrotecnico Italiano

11:20 Overview of ITU-T Study Group 5 activities : Environmental Sustainability for the ICT sector

Ahmed Zeddani, ITU-T SG5

11:40 Coverage and Capacity together for good measure?

Dave Bossmin, ATIS

12:00 Questions and Answers Session

Panel Discussion

12:30 NETWORKING LUNCH
in parallel with poster sessions as above mentioned

SESSION 3: Energy efficiency – Measurements and KPIs

Session Chair: Paolo Gemma, TC EE Secretary, Huawei

14:00 Traffic-power consumption analysis in routed aggregation network: Suggestions for design improvements of building blocks

Radovan Sernek, Telekom Slovenia

14:20 Energy efficiency KPIs for network measurement

Erik Friman, Ericsson

14:40 ETSI STF 439 : Global KPIs for energy efficiency of deployed broadband

Raffaele Bolla, ETSI STF 439 Member – University of Genoa

15:00 Data Centre Server Efficiency Metric- A Simplified Effective Approach

Henry ML Wong, Intel Corp

15:20 Questions and Answers Session

Panel Discussion

15:45 NETWORKING COFFEE

in parallel with poster sessions as mentioned before

Session 4 : Technical solutions related to energy efficient cooling and power supply in telecommunications

Session chair: Didier Marquet, France Telecom Orange Labs, chairman of EE2

16:15 Efficient Power Management – from System level to sub-components

Jonas Svennebring, Freescale - Per Holmberg, Ericsson

16:35 Reasons for Using LVDC in Data Centres

Henry ML Wong, Intel Corp

16:55 Achieving Energy efficiency for PoE (Power over Ethernet) Networks

Shashidhar Krishnamurthy, HCL Technologies Ltd

17:15 ES 202336 practical tools for energy and environmental monitoring and control

Emmanuel Orban, Alpha Technologies SA

17:35 Questions and Answers Session

Panel Discussion

18:00 NETWORKING COCKTAIL

SESSION 5 : Assessment of environmental impact and efficiency: life cycle assessment

Chaired by: Pernilla Bergmark, Ericsson

09:00 A modular energetic / CO2 assessment model: model for TIC services
Didier Marquet, France Telecom Orange

09:20 Use of Life Cycle Assessment methodology to better understand the impact related to different aspects of ICT
Jens Malmodin, Ericsson AB

09:40 ITU-T Recommendation L.1420: practical use within Alcatel Lucent
Gilbert Buty, Alcatel-Lucent

10:00 Questions and Answers Session
Panel Discussion

10:30 NETWORKING COFFEE
in parallel with poster sessions

Energy efficiency for transport networks - main achievement from ICT STRONGEST
Andrea Di Giglio, STRONGEST / Telecom Italia

Improving energy efficiency in passive optical networks with service guarantees
Luca Valcarenghi, Scuola Superiore Sant'Anna

Determinism, Randomness, and Harvesting: Strategies for Reduced Energy Telecommunication Networks
Stuart Walker, University of Essex, School of Computer Science and Electronic Engineering

SESSION 6 : Research Projects

Chaired by: Raffaele Bolla, University of Genoa

11:00 Energy Consumption NETWORKS (ECONET): Smart power management for fixed network devices
Massimo Enrico, ECONET, Ericsson

11:15 The EARTH Energy Efficiency Evaluation Framework - A methodology to evaluate radio network energy efficiency at system level
Magnus Olsson, EARTH Project, Ericsson

11:30 OPERA-Net I/II Optimizing Power Efficiency in mobile RADio NETWORKS
Jérôme David, OPERA_NET2, Thomson-Broadcast

11:45 Energy Efficiency Measurements at the Network Level
Sibel Tombaz, Royal Institute of Technology, KTH

12:00 Let Green Touch the Future
Gilbert Buty, Green Touch Consortium, Alcatel-Lucent

12:15 Questions and Answers Session
Panel Discussion



DAY 2 AGENDA **21st June 2012**

12:45 NETWORKING SANDWICH LUNCH
in parallel with poster sessions

SESSION 7: Future perspectives and event conclusions

Chaired by: Beniamino Gorini, ETSI TC EE Chairman, Alcatel-Lucent

14:00 Keynote: Efficient and sustainable ICT - Time for coordinated action
Flavio Cucchietti, Telecom Italia

14:30 Keynote: Setting environmental targets via standards
Per Döfnas, Ericsson

15:00 Panel Discussion

16:00 Feedback from each session chairs: highlights, issues raised, way forward
All sessions chairs

16:30 CLOSE OF THE EVENT