

## IEEE ComSoc Society Radio Communications Committee (RCC)

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### Minutes for the meeting held on June 12, 2013 IEEE ICC 2013, Budapest, Hungary

#### 1. Introduction

The Committee Chair Andrea Conti opened the Radio Communications Committee (RCC) meeting at 12:30pm. There were 60 members present, and a list of participants is attached at the end of these minutes together with some photos. The Chair presented the agenda:

1. Welcome/Introductions
2. Approval of Agenda
3. Approval of GC'12 RCC Meeting Minutes (available on the website)
4. Conferment of 2013 IEEE ComSoc RCC Outstanding Service Award
5. Report on Conference/Workshop Activities
6. Report on Standards activities
7. New Business items
8. Next RCC meeting
9. Adjourn

#### RCC Mission

The RCC Chair explained the RCC Mission as follows:

“RCC sponsors and promotes technical publications, conferences/symposia/workshops, tutorials and other related activities on the engineering aspects of communications systems, equipment, and operation in which electromagnetic signals transmission through space near the earth's surface is the dominant factor. Specifically included are systems in which the transmission follows the surface or takes place within the atmosphere of the earth. Technologies are considered for point-to-point, point to

multipoint, mobile radio, and mobile radio communications access. Commercial band broadcasting and space communications are outside the scope of the Committee. The committee also assumes the proactive duty to nominate suitable candidates for ComSoc and IEEE awards, propose distinguished lecturer candidates, endorse deserving candidates for the election to IEEE Senior Member and Fellow grade, make contributions to standards in an organized form.”

The Chair remarked that RCC active members and officers received prestigious awards and that numerous members of RCC are Editors of various IEEE and non-IEEE journals.

## **2. Approval of the Agenda**

The agenda was approved.

## **3. Approval of IEEE Globecom 2012 RCC Meeting Minutes**

The minutes (circulated via RCC email list and website) were approved.

## **4. Conferment of 2013 IEEE ComSoc RCC Outstanding Service Award**

The 2013 IEEE ComSoc RCC Outstanding Service Award was given to Professor Davide Dardari.



*Prof. Davide Dardari receiving the award by the RCC Chair Prof. Andrea Conti.*

## 5. Report on Conference/Workshops activities

Reports on the RCC sponsored conferences/workshops are available in the slides downloadable from the RCC website. Conferences/workshops and RCC representatives are listed below (see slides for details):

- **ICC 2013:** Neelesh B. Metha (WCS), Velio Tralli (CT), Andrea Giorgetti (CRN)
- **GLOBECOM 2013:** Claude Oestges (WCS), Nallanthan Arumugam (CT), Andrea Giorgetti (CRN)
- **RWS 2013:** Davide Dardari, Dimitris Toumpakaris, and Yiqing Zhou
- **WiSEE 2013:** Davide Dardari, Andrea Conti, Oliver Holland
- **ICCIT 2013:** Youssef Nasser, Arunabh Chattopadhyay, Bin Xia
- **ICT 2013:** Youssef Nasser, Arunabh Chattopadhyay, Bin Xia
- **COMCAS 2013:** Doug Zuckerman, Koichi Adachi, Yanxiang Jiang
- **ISPC 2013:** Lin Dai, Gianni Pasolini, Flavio Zabini
- **NCC 2013:** Ranjan Mallik, Neelesh Mehta, Arumugam Nallanathan
- **ITSC 2013:** Jun-bo Wang, Dongmin Wang, Wei Peng
- **WCSP 2013:** Alberto Rabbachin, Gianni Pasolini, Wei Peng

## 6. Standard Activities

### ***ComSoc Standards Board Technical Committee Liaisons Report***

The RCC representative, *Dr. George Chrisikos*, prepared slides to report on standards activity. The ComSoc SB objective is the discussion of IEEE/ComSoc Standards, development projects, new standardization initiatives, procedures, and operational Issues.

### *IEEE Communications Society (ComSoc) Standards Development Board (SDB)*

- **Approved standards:**
  - IEEE 269-2010: IEEE Standard Methods for Measuring Transmission Performance of Analog and Digital Telephone Sets, Handsets, and Headsets
  - IEEE 269a-2012: IEEE Standard Methods for Measuring Transmission Performance of Analog and Digital Telephone Sets, Handsets, and Headsets - Amendment 1
  - IEEE 661-1979: IEEE Standard Method for Determining Objective Loudness Ratings of Telephone Connections
  - IEEE 1329-2010: IEEE Standard Method for Measuring Transmission Performance of Speakerphones
  - IEEE 1652-2008: IEEE Standard for the Application of Free Field Acoustic Reference to Telephony Measurements
  - IEEE 1902.1-2009: IEEE Standard for Long Wavelength Wireless Network Protocol
  - IEEE 1903-2011: IEEE Standard for the Functional Architecture of Next Generation Service Overlay Networks (NGSON)

- **Active projects:**

- P269: Standard for Measuring Electroacoustic Performance of Communication Devices
- P1858: Standard for Camera Phone Image Quality (CPIQ) - co-sponsored with IEEE-SA Board of Governors (BOG) Corporate Advisory Group (CAG)
- P1903.1: Standard for Content Delivery Protocols of NGSON
- P1903.2: Standard for Service Composition Protocols of NGSON
- P1903.3: Standard for Self-Organizing Management Protocols of NGSON
- P1904.1: IEEE Draft Standard for Service Interoperability in Ethernet Passive Optical Networks (SIEPON)
- P1904.1-Conformance01: Standard for Conformance Test Procedures for SIEPON, IEEE Std 1904.1 Package A
- P1904.1-Conformance02: Standard for Conformance Test Procedures for SIEPON, IEEE Std 1904.1 Package B
- P1904.1-Conformance03: Standard for Conformance Test Procedures for SIEPON, IEEE Std 1904.1 Package C
- P1906.1: Recommended Practice for Nanoscale and Molecular Communication Framework
- P1907.1: Standard for Network-Adaptive Quality of Experience (QoE) Management Scheme for Real-Time Mobile Video Communications
- P1908.1: Virtual Keyboard Standard for Indic Languages
- P1910.1: Standard for Meshed Tree Bridging with Loop Free Forwarding

Dynamic Spectrum Access Networks Standards Committee (DySPAN-SC)

- **Approved standards:**

- IEEE 1900.1-2008: IEEE Standard Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management
- IEEE 1900.1a-2012: IEEE Standard for Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management Amendment: Addition of New Terms and Associated Definitions
- IEEE 1900.2-2008: IEEE Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems
- IEEE 1900.4-2009: IEEE Standard for Architectural Building Blocks Enabling Network-Device Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Access Networks
- IEEE 1900.4a-2011: IEEE Standard for Architectural Building Blocks Enabling Network-Device Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Access Networks Amendment 1: Architecture and Interfaces for Dynamic Spectrum Access Networks in White Space Frequency Bands

- IEEE 1900.4.1-2013: IEEE Standard for Interfaces and Protocols Enabling Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Networks
- IEEE 1900.5-2011: IEEE Standard for Policy Language Requirements and System Architectures for Dynamic Spectrum Access Systems
- IEEE 1900.6-2011: IEEE Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and other Advanced Radio Communication Systems
- **Active projects:**
  - P1900.1: Standard Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management
  - P1900.5.1: Standard Policy Language for Dynamic Spectrum Access Systems
  - P1900.5.2: Method for Modeling Spectrum Consumption
  - P1900.6a: Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and other Advanced Radio Communication Systems Amendment: Procedures, Protocols and Data Archive Enhanced Interfaces
  - P1900.7: Radio Interface for White Space Dynamic Spectrum Access Radio Systems Supporting Fixed and Mobile Operation

All IEEE standard activities have been listed in RCC website at the link

<http://rcc.bo.cnit.it/ieeestandard.htm>

## **7. New Business Items**

Soliciting nominations for Technical Recognition Award 2013

Soliciting nominees for Technical Program Committee activities

The RCC discussion group:

*<http://community.comsoc.org/groups/radio-communications-technical-committee-rcc>*

## **TC recertification**

Every three years. All necessary documents will be submitted by June 15 to the Technical Activity Council.

## **ComSoc student competition program**

ComSoc has launched a Student Competition Program, for graduate and undergraduate students. Please review details presented at:

<http://www.comsoc.org/communications-technology-changing-world>

The theme of the first competition is "Communications Technology Changing the World". Seeking members for this committee (one representative nominated by each TC)

### Best readings

[www.comsoc.org/best-readings](http://www.comsoc.org/best-readings)

List of papers (w/commentary and hyperlinks) online. One new every quarter: power line communications; cognitive radio; broadband access; green communications multi-tier cellular networks

### ComSoc training

training courses from TC members (topics, developers, instructors, participants). Current emphasis Wireless & LTE. They are looking for new items (Dave Michelson)

### P&P update and New Policies for voting members

Best practices with some uniformity among TCs.

### 8. Next RCC meeting

The next RCC meeting will be scheduled in Globecom 2013, Atlanta, GA USA.

### 9. Adjourn

The meeting was adjourned at 1.30 pm.

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### Attendees list

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Some photos taken during the meeting follow.

