

IEEE ComSoc Society Radio Communications Committee (RCC)

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Minutes for the meeting held on May 26, 2016 IEEE ICC 2016, Kuala Lumpur, Malaysia

1. Introduction

The Committee Chair Hanna Bogucka opened the Radio Communications Committee (RCC) meeting at 12:00 pm. There were 25 members present, and a list of participants is attached at the end of these minutes together with some photos.¹ The Chair presented the agenda:

1. Welcome/Introductions
2. Approval of Agenda
3. Approval of GC'15 RCC Meeting Minutes (available on the website)
4. Conferment of 2016 IEEE ComSoc RCC Outstanding Service Award
5. Report on Conference/Workshop Activities
6. Report on Standards activities
7. Student Competition: Communication Technology May Change the World
8. New Business items
9. Next RCC meeting
10. Adjourn

2. Approval of the Agenda

The agenda was approved.

3. Approval of IEEE Globecom 2015 RCC Meeting Minutes

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

¹ The meeting was partially overlapped with the keynote presentation by Dr. Lajos Hanzo at SPCE meeting.

4. Conferment of 2016 IEEE ComSoc RCC Outstanding Service Award

The 2016 IEEE ComSoc RCC Outstanding Service Award was given to **Dr. Alberto Rabbachin**.



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):

- **GLOBECOM 2015: Watcharapan Suwansantisuk (WCS)**
- **GLOBECOM 2015: Norman Beaulieu (CRN)**
- **ICC 2016: Marco Chiani (CT)**
- **ICC 2016: Norman Beaulieu (CRN)**
- **GLOBECOM 2016: Dania Marabissi and Yuan Shen (SPC)**
- **GLOBECOM 2016: Hyundong Shin (CRN)**
- **ICSPCS 2015: Hans-Jurgen Zepernick**
- **ASMS 2016: Adrian Kliks**
- **ISWCS 2016: Hanna Bogucka**
- **ICC 2017: Symposium Co-chairs**

6. Report on Standard Activities

ComSoc Standards Board Technical Committee Liaisons Report

The RCC representative, *Dr. George Chrisikos*, prepared slides to report on standards activity. The ComSoc Standards Board (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)

IEEE 1904.1-2013: IEEE Standard for Service Interoperability in Ethernet Passive Optical Networks (SIEPON)

- **Active projects:**

P269: Standard for Measuring Electroacoustic Performance of Communication Devices

P1652a: IEEE Standard for the Application of Free Field Acoustic Reference to Telephony Measurements Amendment a: Updated diffuse field graph and tables

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-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

P1904.2: Standard for Management Channel for Customer-Premises Equipment Connected to Ethernet-Based Subscriber Access Networks

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
P2410: Biometrics Open Protocol Standard

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

IEEE 1900.6a-2014: IEEE Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems - Amendment 1: Procedures, Protocols, and Data Archive Enhanced Interfaces

- **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

P1900.6-2011/Cor 1: IEEE Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems - Corrigendum 1

P1900.7: Radio Interface for White Space Dynamic Spectrum Access Radio Systems Supporting Fixed and Mobile Operation

Power Line Communication Standards Committee (PLC-SC)

- **Approved standards:**

IEEE 1775-2010: IEEE Standard for Power Line Communication Equipment - Electromagnetic Compatibility (EMC) Requirements - Testing and Measurement Methods - co-sponsored with the IEEE Power and Energy Society (PES) Power System Communications Committee (PSCC)

IEEE 1901-2010: IEEE Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications

IEEE 1901.2-2013: IEEE Standard for Low Frequency (less than 500 kHz) Narrow Band Power Line Communications for Smart Grid Applications

IEEE 1905.1-2013: IEEE Standard for a Convergent Digital Home Network for Heterogeneous Technologies

IEEE 2030.5-2013: IEEE Adoption of Smart Energy Profile 2.0 Application Protocol Standard

- **Active projects:**

P1905.1a: Standard for a Convergent Digital Home Network for Heterogeneous Technologies Amendment: Support of new MAC/PHYs and enhancements

P1909.1: Recommended Practice for Smart Grid Communication Equipment - Test methods and installation requirements

P2030.5: Standard for Smart Energy Profile Application Protocol

All IEEE standard activities have been listed in RCC website at the link: http://committees.comsoc.org/TC_RC

7. ComSoc student competition program

ComSoc has launched the 2016 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 competition is "Communications Technology Changing the World".

The RCC representative for the ComSoc Student Competition is Dr. Alberto Rabbachin at the European Commission, a.rabbachin@ieee.org

8. New Business Items

Best readings

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.

Nominations for Awards

New ComSoc award for survey paper: nominations will be solicited soon.

Soliciting nominations for Technical Recognition Award 2016 (Aug. 15)

Past awards:

2015 - *Larry Greenstein*

2014 - *Vincent Poor*

2013 - *Lajos Hanzo*

2012 - *Desmond Taylor*

2011 - *Norman Beaulieu*

2010 - *Marco Chiani*

2009 - *Jack Winters*

2008 - *Moe Win*

2007 - *Robert A. Scholtz*

Soliciting content for the RCC Newsletter

Communications from TAC:

- Recommended format for the TC Newsletters
- Involvement in IEEE activities, e.g. Green IST, Smart grids,...
- New rule: evaluation of 1/3 of TCs every year (RCC not selected for evaluation in 2016).

Soliciting nominees for Technical Program Committee activities

RCC discussion group at

<http://community.comsoc.org/groups/tc-radio-communications>

RCC mailing list: rcc@comsoc.org (currently 1076 members)

9. Next RCC meeting

The next RCC meeting will be scheduled in Globecom 2016, Washington, DC.

10. Adjourn

The meeting was adjourned at 14.00 pm.

Attendees list

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Some photos taken during the meeting follow.

