

IEEE COMMUNICATIONS SOCIETY
Radio Communications Committee (RCC)

IEEE ICC 2013

Budapest, Hungary

June 12, 2013 - 12:30 – 14:00

Chair: Andrea Conti

Vice Chair: Jiangzhou Wang

Secretary: Andrea Giorgetti

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 Standards activities**
6. **Report on Conference/Workshop Activities**
7. **New Business items**
8. **Next RCC meeting**
9. **Adjourn**

RCC Mission

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.

2013 IEEE ComSoc RCC Outstanding Service Award

The Radio Communications Committee (RCC) Outstanding Service Award is established to recognize members of the RCC who have a distinguished record of service to the RCC community, including organization of RCC endorsed symposia and workshops, providing exceptional leadership within the RCC, and promotion of RCC activities and interests in the broader research community.

Conferment of

2013 IEEE ComSoc RCC Outstanding Service Award

Dr. Davide Dardari



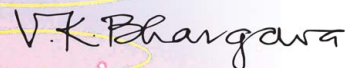
IEEE COMMUNICATIONS SOCIETY
RADIO COMMUNICATIONS COMMITTEE

2013 OUTSTANDING SERVICE AWARD

IS PRESENTED TO

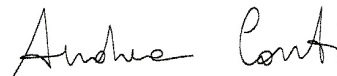
DAVIDE DARDARI

FOR OUTSTANDING SERVICE TO THE RADIO COMMUNICATIONS COMMITTEE



V.K. Bhargava

VIJAY BHARGAVA
PRESIDENT
IEEE COMMUNICATIONS SOCIETY



Andrea Conti

ANDREA CONTI
CHAIR
COMSOC RADIO COMMUNICATIONS COMMITTEE

Supported conferences

The following conferences received
Technical Sponsorship from
IEEE Communications Society
based on RCC recommendation

Conference Reports

Standardization Activity

George Chrisikos

Conference Report

- **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

ComSoc Standards Board Technical Committee Liaisons Report

RCC representative: *George Chrisikos (gchrisikos@ieee.org)*

- ComSoc SB Objective:
 - Discussion of IEEE/ComSoc Standards Development Projects
 - New Standardization Initiatives
 - Procedures
 - 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

Power Line Communication Standards Committee (PLC-SC)

◆ Approved standards:

- IEEE 1901-2010: IEEE Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications
- 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 1905.1-2013: IEEE Standard for a Convergent Digital Home Network for Heterogeneous Technologies

◆ Active projects:

- P1901.2: Standard for Low Frequency (less than 500 kHz) Narrow Band Power Line Communications for Smart Grid Applications
- P1909.1: Recommended Practice for Smart Grid Communication Equipment - Test methods and installation requirements
- P2030.5: Standard for Smart Energy Profile 2.0 Application Protocol

ICC 2013

When: *June 9-13, 2013*

Where: *Budapest, Hungary*

Symposium/Track: *Wireless communications symposium*

Co-chairs: Fredrik Tufvesson, Hanna Bogucka, Zhaocheng Wang, Neelesh B. Mehta

RCC representative: *Neelesh B. Mehta (neeleashbmehta@gmail.com)*

Total Submissions: 459

Acceptance Rate (final/expected): 180 (39.2%)

#TPC members: 258

Avg number of reviews/paper = 3.87

Rebuttal process: *N*

Keynote speech: *Gerhard P. Fettweis, Erik Dahlman, Walter Goldenist, Thomas Wiegand, Peter Winzer*

ICC 2013

When: *June 9-13, 2013*

Where: *Budapest, Hungary*

Symposium/Track: *Communication Theory Symposium*

Co-chairs: *David Gesbert, Angel Lozano, Velio Tralli, Sennur Ulukus*

RCC representative: *Velio Tralli (velio.tralli@unife.it)*

Total Submissions: *193*

Acceptance Rate (final/expected): *39%*

#TPC members: *101*

Avg number of reviews/paper = *4*

Rebuttal process: *N*

Keynote speech: *Gerhard P. Fettweis, Erik Dahlman, Walter Goldenist, Thomas Wiegand, Peter Winzer*

ICC 2013

When: *June 9-13, 2013*

Where: *Budapest, Hungary*

Symposium/Track: *Cognitive Radio and Networks Symposium*

Co-chairs: *Honggang Zhang, David Grace, Andrea Giorgetti*

RCC representative: *Andrea Giorgetti (andrea.giorgetti@unibo.it)*

Total Submissions: 153

Acceptance Rate (final/expected): 60 (39.2%)

#TPC members: 128

Avg number of reviews/paper = 3.48

Rebuttal process: *N*

Keynote speech: *Gerhard P. Fettweis, Erik Dahlman, Walter Goldenist, Thomas Wiegand, Peter Winzer*

Globecom 2013

When: 09.12.2013 – 13.12.2013

Where: Atlanta, GA

Symposium/Track: *Wireless Communications Symposium*

Co-chairs: *David Love, Hai Lin, Claude Oestges and Liuqing Yang*

RCC representative: *Claude Oestges (claude.oestges@uclouvain.be)*

Total Submissions: 374

Acceptance Rate (expected): *not specified*

#TPC members: 384

Avg number of reviews/paper = 3

Rebuttal process *N*

Keynote speech: -

Globecom 2013

When: 09.12.2013 – 13.12.2013

Where: *Atlanta*

Symposium/Track: *Communication Theory Symposium*

Co-chairs: Nallanathan Arumugam, Sang Wu Kim, Lian Zhao

RCC representative: Nallanathan Arumugam (nallanathan@ieee.org)

Total Submissions: 136

Review process:

127 TPC members, each paper allocated to 4 reviewers

51 papers with 3 reviews, 84 papers with 4 reviews, 1 with 5 reviews

Score statistics:

59 @ 3.4 or higher, 51 @ 3.5 or higher, 41 @ 3.6 or higher

Acceptances: Allocated 50, for a 36.7% acceptance rate.

Nominally 10 sessions of 5 papers, with possibility that some get presented as posters.

Globecom 2013

When: 09.12.2013 – 13.12.2013

Where: *Atlanta*

Symposium/Track: *Cognitive Radio and Networks Symposium*

Co-chairs: Andrea Giorgetti, Dusit (Tao) Niyato, Richard Yu

RCC representative: Andrea Giorgetti (andrea.giorgetti@unibo.it)

Total Submissions: 186

Acceptance Rate (final/expected): *will be decided in the ICC'13 meeting*

#TPC members: 420

Avg number of reviews/paper = 3-4

Rebuttal process *N*

Keynote speech: *NA*

Radio Wireless Week (RWS)

When: 20.01.2013 – 23.01.2013

Where: *Austin, TX*

Symposium/Track: All (RWS, PAWR, BioWireleSS, SiRF, WiSNet)

Co-chairs: Jan-Erik Mueller (General Chair), Takao Inoue (General Co-chair), Karl Varian (Technical Program Chair), Debabani Choudhury and Huaping Liu (Technical Program Co-chairs)

RCC representatives: Davide Dardari (ddardari@ieee.org), Dimitris Toumpakaris (dtouba@upatras.gr) and Yiqing Zhou (zhouyiqing@ict.ac.cn)

Total Submissions: 324 (including late news papers)

Acceptance Rate (final): 69%

#TPC members: 205

Avg number of reviews/paper = 6.4

Rebuttal process Y

Keynote speech: Dr. James Truchard (plenary), Dr. J.C. Chiao, Dr. Joshua Le-Wei Li, and Dr. John Wood (Distinguished Lecturers' talks)

IEEE Int'l Conf on Wireless for Space and Extreme Environments

When: 07.11.2013 – 09.11.2013

Where: *Baltimore, MD*



Symposium/Track: *Research Paper and Poster Tracks plus workshops*

Co-chairs: *Ali Abedi (UMaine) and Richard Barton (NASA)*

RCC representative: *Davide Dardari (ddardari@gmail.com)*

Total Submissions: *Not known until deadline (July 1st, 2013)*

Acceptance Rate (final/expected): *Expected 30%*

#TPC members: *45*

Avg number of reviews/paper = *3*

Rebuttal process: *N*

Keynote speech: *Scott Burleigh (NASA JPL), Anthony Ephremides (University of Maryland), Mark Kaufman (Aerojet Corp.), Hayden Thompson (Rolls-Royce), Jeff Voas (NIST).*

Int. Conf. on Commun. and Information Technology (ICCIT)

When: *June 19, 2013 to June 21, 2013*

Where: *Beirut, Lebanon*

Symposium/Track: *International Conference on Conference on Communications and Information Technology*

Co-chairs: *Youssef Nasser, Abdalla Shami and Ronald Raulefs*

RCC representative: *Youssef Nasser (youssef.nasser@aub.edu.lb)*

Total Submissions: *165*

Acceptance Rate (final/expected): *49.5%*

#TPC members: *116*

Avg number of reviews/paper = *3*

Rebuttal process *N*

Keynote speech: *Iyan Akyilidiz; Merouane Debbah, Brian Evans*

20th International Conference on Telecommunications (ICT)

When: 06.05.2013 – 08.05.2013

Where: Casablanca, Morocco

Symposium/Track: *International Conference on Telecommunications*

Co-chairs: *Yves Lostanlen, Youssef Nasser*

RCC representative: *Youssef Nasser (youssef.nasser@aub.edu.lb)*

Total Submissions: 235

Acceptance Rate (final/expected): 48.5%

#TPC members: 63

Avg number of reviews/paper = 3

Rebuttal process *N*

Keynote speech: *Hamid Aghvami, Latif Ladid, Lajos Hanzo, Raouf Boutaba, Miguel Angel Lagunas, Petros Elia, Francis Castanie*

IEEE Conf. on Microwaves, Communications, Antennas and Electronic Systems (COMCAS) 2013

When: October 21-23, 2013

Where: Tel Aviv, Israel

Co-chairs: Stephen B. Weinstein, Richard V. Snyder, Peter de Maagt, Lance M. Kaplan

RCC representative: Doug Zuckerman (w2xd@aol.com), Koichi Adachi (kadachi@i2r.a-star.edu.sg), Yanxiang Jiang (yxiiang@seu.edu.cn)

Total Submissions: 153 (excluding papers that were withdrawn)

Acceptance Rate (final/expected): *TBD*

#TPC members: 155

Avg number of reviews/paper = *TBD*

Rebuttal process *N*

Keynote speech: Adam Drobot (TBC) and Richard Gitlin (TBC)

IEEE Int. Conf. on Signal Processing, Computing and Control (ISPPCC)

When: 26.09.2013 – 28.09.2013

Where: Solan (near Shimla), India

Symposium/Track: *Networks and Communication, Signal Processing, Artificial Intelligence and Neural Networks, VLSI and Embedded Computing, Control and Automation*

General Chair: *Prof. Sunil Bhooshan*

TPC Co-chairs: *Dr. Mohammed Usman, Prof. Bernard Sklar.*

RCC representatives: *Dr. Lin Dai, Dr. Gianni Pasolini, Dr. Flavio Zabini*

Total Submissions: 798

Acceptance Rate (final/expected): 15 - 17%

#TPC members: 200

Avg number of reviews/paper = 3

Rebuttal process Y/N: N

Keynote speech: *Prof. John Soraghan (Univ of Strathclyde, UK), Prof. Surendra Prasad (IIT-Delhi), Dr. Andrea Conti (Univ. of Ferrara, Italy), Dr. Rajendar Bahl (IIT-Delhi), Mr. Sanjay Burman (CAIR, DRDO, India)*

National Conference on Communications (NCC) 2013

When: 15-2-2013 to 17-2-2013

Where: Delhi, India

Symposium/Track: Communications, Signal Processing, and Networking

Co-chairs: Shankar Prakriya (IIT Delhi) and Ranjan Bose (IIT Delhi)

RCC representative: Neelesh B. Mehta (neeleshbmehta@gmail.com)

Total Submissions: 340 (excluding papers that were withdrawn)

Acceptance Rate (final/expected): 35% (*final*)

#TPC members: 50

Avg number of reviews/paper = 2.57

Rebuttal process N

Keynote speech: Cam Nguyen, Texas A&M Univ., USA and Tracy Camp, Colorado School of Mines, USA



IEEE Conf. on Intelligent Transportation Systems - (ITSC 2013)

When: 06.10.2013 – 09.10.2013

Where: *Hague, Netherlands*

RCC representative: Wei Peng (*pengwei@ieee.org*)

Total Submissions: 633

Acceptance Rate (final/expected): expected about 65%

#TPC members: 138

Avg number of reviews/paper = 2.85

Rebuttal process: N

Keynote speech: currently one confirmed speaker, Bob Denaro

New Business Items

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)

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

ComSoc training

training courses from TC members (topics, developers, instructors, participants)

Current emphasis Wireless & LTE. They are looking for new items (check with Dave Michelson)

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

P&P update and New Policies for voting members

Best practices with some uniformity among TCs

New Business Items

Soliciting nominations for Technical Recognition Award 2013

Soliciting nominees for Technical Program Committee activities

Join the RCC discussion group is

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

Other issues?

Next RCC Meeting

**The next RCC meeting will be scheduled in
GC2013, Atlanta, USA**

**THANK YOU AND
SEE YOU THEN!**

Officers Contacts

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<http://www.comsoc.org/socstr/org/operation/techcom/radio.html>