

IEEE COMMUNICATIONS SOCIETY
Radio Communications Committee (RCC)

IEEE GC 2012– Anaheim, USA

12:30 – 14:00pm, December 6, 2012 (Thursday)

Chair: Davide Dardari

Vice Chair: Andrea Conti

Secretary: Jiangzhou Wang

Agenda

1. **Welcome/Introductions**
2. **Approval of Agenda**
3. **Approval of ICC'12 RCC Meeting Minutes (available on the website)**
4. **Conferment of 2012 IEEE ComSoc RCC Technical Recognition Award**
5. **Report on Conference/Workshop Activities**
6. **Standards activities**
7. **RCC Officers' Elections (2013-2014)**
8. **New Business items**
9. **Next RCC meeting**
10. **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.

2012 IEEE ComSoc RCC Technical Recognition Award

The Radio Communications Committee (RCC) Technical Recognition Award aims to promote radio communications research and development activities in both the academic and industrial community. This award is established as part of the RCC activities in which research and development takes place in areas related to radio communications. The award recognizes members of the IEEE Communications Society (ComSoc) who have made outstanding contributions to the technological advancement of radio communications.

Conferment of

2012 IEEE ComSoc RCC Technical Recognition Award

Professor Desmond P. Taylor

“for outstanding technical contributions to radio communications”

Supported conferences

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

Reports On Conference/Workshop Activities

Technical symposia/workshops/conferences sponsored by RCC

- Globecom 2012, WCS: Lorenzo Mucchi , CT: Shin Hyundong , CR: Peter Jung
- ICC 2013, Metha B. Neelesh, (WCS); Velio Tralli, (CT); Andrea Giorgetti, Cognitive Radio
- ASMS 2012, Davide Dardari, Giovanni E. Corazza, Alessandro Vanelli
- RWS 2013, Davide Dardari, Dimitris Toumpakaris, and Yiqing Zhou
- WPMC 2012, Jm Seigneur, Xiangyang Wang, Yuanliang Huang
- WCSP 2012, Jun Zheng
- ICCS 2012, Tony Quek, Sumei Sun, Ying-Chang Liang
- ICCIT 2013, ICT2013, Youssef Nasser, Arunabh Chattopadhyay, Bin Xia
- COMCAS 2013, Doug Zuckerman, Koichi Adachi, Yanxiang Jiang,
- ISPCC 2013, Lin Dai, Gianni Pasolini, Flavio Zabini
- ITS 2013, Jun-bo Wang, Dongmin Wang, Wei Peng,
- NCC 2013, Ranjan Mallik, Neelesh Mehta, Arnmugam Nallanathan
- WiSEE 2013, Davide Dardari, Andrea Conti, Oliver Holland

IEEE GLOBECOM 2012

When: 03.12.2012 – 07.12.2012

Where: Anaheim, CA, USA

Symposium/Track: Communication Theory Symposium

Co-chairs: Erik Perrins, Cheng Li, Hyundong Shin

RCC representative: Hyundong Shin (hshin@khu.ac.kr)

Total Submissions: 155

Acceptance Rate (final/expected): 36.8%

#TPC members: 98

Avg number of reviews/paper = 3.14

Rebuttal process: N

Keynote speech: Vinton Cerf, Henry Samueli, Krish Prabhu, David Bernstein,
Stephen B. Alexander, Hossein Eslambolchi

ICC 2013

When: 09.06.2013 – 13.06.2013

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: *TBD (expected 30-40%)*

#TPC members: *101*

Avg number of reviews/paper = *4*

Rebuttal process *N*

Keynote speech: *-*

ASMS/SPSC 2012

When: 05.09.2012 – 07.09.2012

Where: Baiona, Vigo, Spain

Symposium/Track: 5th Advanced Satellite Multimedia Systems Conference and 11th Signal Processing for Satellite Communications Workshop

Co-chairs: Prof. Giovanni E. Corazza, Prof. Alessandro Vanelli Coralli, Dr. Sandro Scalise, Dr. Riccardo De Gaudenzi, Dr. Alberto Ginesi,

RCC representative:

Giovanni E. Corazza (giovanni.corazza@unibo.it), Davide Dardari (davide.dardari@unibo.it),
Alessandro Vanelli-Coralli (alessandro.vanelli@unibo.it)

Total Submissions: 70

Acceptance Rate (final/expected): 50%

#TPC members: 60

Avg number of reviews/paper = 3

Rebuttal process N

Keynote speech:

J. Mitola, Mitola Satisfaction, E. Trachtman, Inmarsat, S. Watts, Avanti Communications

2013 Radio Wireless Conference

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](mailto:Dimitris.Toumpakaris@upatras.gr) (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)

2012 WPMC

When: 16.09.2012 – 20.09.2012

Where: *Taiwan*

International Symposium on Wireless Personal Multimedia Communications

General Chair: Kwang-Cheng Chen

RCC representatives: Jm Seigneur, Xiangyang Wang, Yuanliang Huang

Total Submissions: 259

Acceptance Rate (final): 46%

#TPC members: 116

Avg number of reviews/paper = 3

Rebuttal process *No*

Keynote speech: H. Vincent Poor, Princeton University, USA; Ezio Biglieri, UCLA, USA
Ryuji Kohno, Yokohama National University, Japan; Sherman Shen, University of Waterloo,
Canada; Y.G. Michael Fang, University of Florida, USA; Lizhong Zheng, MIT, USA

Gordon Stüber, Georgia Institute of Technology, USA

2012 WCSP

When: 25.10.2012 – 27.10.2012

Where: Huangshan *China*

International Conference on Wireless Communications and Signal Processing

RCC representatives: Jun Zheng

Total Submissions: 529

Acceptance Rate (final): 45%

#TPC members: 326

Avg number of reviews/paper = 3

Rebuttal process *No*

Keynote speech: Ian Akyildiz, Georgia Tech, USA; Khaled Letaief, HKUST, Hong Kong; Abbas Jamalipour, Univ. of Sydney, Bjorn Ottersten, Sweden; Sherman Shen, Univ. of Waterloo, Chengshan Xiao, USA.

National Conference on Communications (NCC) 2013

When: Feb. 15-17, 2013

Where: *Delhi, India*

Symposium/Track: Communications, Signal Processing, Networking

Co-chairs: General chair: Ranjan Mallik (IIT Delhi), TPC co-chairs: Shankar Prakriya (IIT Delhi) and Ranjan Bose (IIT Delhi)

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

Total Submissions: 210 expected. 185 received thus far (2 days before deadline)

Acceptance Rate (final/expected): 38% (expected)

#TPC members: 85

Avg number of reviews/paper = 3 (expected)

Rebuttal process: *N*

Keynote speeches: Prof. Cam Nguyen (Texas A&M university), Prof. Tracy Camp (Colorado School of Mines).

CALL FOR PAPERS:
IEEE International Workshop on
Advances in Network Localization and Navigation (ANLN)
at ICC 2013, Budapest

Workshop Chairs

Davide Dardari (Univ. of Bologna) (leading chair)

Klaus Witrisal (Graz Univ. of Tech.) (leading chair)

Andrea Conti (Univ. of Ferrara)

Bernard Fleury (Aalborg University)

Tony Quek (Singapore Univ. of Techn. and Design)

Alberto Rabbachin (Massachusetts Inst. of Techn.)

Important Dates

Registration of abstracts: Jan, 4, 2013

Full paper submissions: Jan. 11, 2013

Notification of acceptance: Feb. 22, 2013

Final manuscript: Mar. 8, 2013

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

ComSoc Standards Board Technical Committee Liaisons Report

- Project Authorization Requests (PARs)
 - **P1903.1** Standard for Content Delivery Protocols of Next Generation Service Overlay Network (NGSON)
 - **P1903.2** Standard for Service Composition Protocols of NGSON
 - **P1903.3** Standard for Self-Organizing Management Protocols of NGSON
 - **P1909.1** Recommended Practice for Smart Grid Communication Equipment – Test methods and installation requirements
- The P1900.X projects were transferred from COMSOC-SB to DySPAN-SC
- P1906.1 WG Liaison Request Letter to IEC TC 113 (Nanotechnology standardization for electrical and electronic products and systems)
- The IEEE P1858 on “Standard for Camera Phone Image Quality (CPIQ)” is currently sponsored by the IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG).
- P1904.1 WG closed D2.6 recirculation and produced D3.0 for the Sponsor ballot.
- Emergency Warning System (EWS) Study Group would require a six-month extension or a transfer to the ComSoc Standardization Programs Development Board (SPDB)
- P1903 WG status, P1907.1 WG status: don't meet the requirement of at least three Advanced Entity Members of the IEEE-SA
 - submit PAR modifications to NesCom requesting P1903.1, P1903.2, P1903.3, and P1907.1 each to be transferred from an entity project to an individual project.

ComSoc Standards Board Technical Committee Liaisons Report

Standards Development Board Active Standards

- **269:** IEEE Standard Methods for Measuring Transmission Performance of Analog and Digital Telephone Sets, Handsets, and Headsets
- **661:** IEEE Standard Method for Determining Objective Loudness Ratings of Telephone Connections
- **1329:** IEEE Standard Method for Measuring Transmission Performance of Speakerphones
- **1652:** IEEE Standard for the Application of Free Field Acoustic Reference to Telephony Measurements
- **1900.1:** IEEE Standard Definitions and Concepts for Dynamic Spectrum Access: Terminology Relating to Emerging Wireless Networks, System Functionality, and Spectrum Management
- **1900.2:** IEEE Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems
- **1900.4:** IEEE Standard for Architectural Building Blocks Enabling Network-Device Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Access Networks
- **1900.5:** IEEE Standard for Policy Language Requirements and System Architectures for Dynamic Spectrum Access Systems
- **1900.6:** IEEE Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and other Advanced Radio Communication Systems.
- **1902.1:** IEEE Standard for Long Wavelength Wireless Network Protocol
- **1903:** IEEE Standard for the Functional Architecture of Next Generation Service Overlay Networks
- **1900.4a:** 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

RCC Officers Election (2013-2014)

From RCC P&P

- “... Eligible candidates for an officer's position are those who have already been voting members of the TC...”
- “ ...A TC voting member shall be any individual who: 1) is an Active Member; or 2) has contributed substantially to the TC activities. The voting member of the second category should be recommended by TC members and should be approved by the TC Chair... “
- “... It is desirable that extemporaneous, from-the-floor nominations, receive support from three or more members at the meeting..”
- “-...In the case of two candidates for a position, election is by simple majority. For the case of more than two candidates, selection proceeds through a series of elections: at each stage, the individual garnering the fewest votes is eliminated, until only two remain. In the event of a tie, votes shall again be cast until the tie is broken. If that is not possible, the TC person running the election (any of the elected TC officers) shall cast a tie-breaking vote...”

RCC Officers Election (2013-2014)

Candidate for the Chair position: Andrea Conti

Candidate for the Vice-Chair position: Jiangzhou Wang

Candidates for the Secretary position:

- Neelesh Mehta
- Dimitris Toumpakaris
- Andrea Giorgetti

New Business Items

Soliciting nominations for Outstanding Service Award 2013

Soliciting nominees for Technical Program Committee activities

The RCC discussion group has been just created in

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

Please joint it.

Other issues?

Next RCC Meeting

**The next RCC meeting will be scheduled in
ICC2013, Budapest, Hungary**

**THANK YOU AND
SEE YOU THEN!**

Officers Contacts

Chair: Davide Dardari
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<http://www.andreaconti.info>
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Secretary: Jiangzhou Wang
University of Kent, United Kingdom
http://www.eda.kent.ac.uk/school/staff_detail.aspx?id=202
E-mail: j.z.wang@kent.ac.uk

RCC Website:

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

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