

**IEEE COMMUNICATIONS SOCIETY**  
**Radio Communications Committee (RCC)**

**IEEE Globecom 2011 – Houston, USA**

12:30 – 13:30pm, December 8 (Thursday)

Chair: Davide Dardari  
Vice Chair: Andrea Conti  
Secretary: Jiangzhou Wang

## Agenda

1. Welcome/Introductions
2. Approval of Agenda
3. The RCC Mission
4. Approval of ICC'11 RCC Meeting Minutes (available on the website)
5. Distinguished Lecturers
6. Conferment of 2011 IEEE ComSoc RCC Technical Recognition Award
7. Conferment of 2011 IEEE ComSoc RCC Outstanding Service Award
8. Report on Conference/Workshops activities
9. Standards activities
10. Recertification remarks
11. New Business items
12. Next RCC meeting
13. 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.

## 2011 IEEE ComSoc RCC Technical Recognition Award

The award recognizes members of the IEEE Communications Society (ComSoc) who have made outstanding contributions to the technological advancement of radio communications.

Conferment of

2011 IEEE ComSoc RCC Technical Recognition Award

*Professor Norman Beaulieu*

for "contributions to radio communications research and practice".

## 2011 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  
2011 IEEE ComSoc RCC Outstanding Service Award  
*Professor Andreas Molisch*

## Selected ComSoc Distinguished Lecturers nominated by RCC (2012-2013)

- ◆ Mischa Dohler
- ◆ George Chrisikos

Two past Chairs of the RCC received prestigious awards.

Professors Marco Chiani and Moe Win received Leonard Abraham Prize 2011

Professor Moe Win received the IEEE Kiyo Tomiyasu Award 2011

Professors Moe Win and Davide Dardari received the IEEE Aerospace and Electronic Systems Society's M. Barry Carlton Award 2011

## Supported conferences

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

## Conference Reports

### Technical symposia/workshops/conferences sponsored by RCC

- Globecom 2011, WCS - Matti Latva-Aho and Tony Quek
- ICUWB 2011, Davide Dardari, Marco Chiani
- 40th ITU Telecom World 2011 ITU WT11, D. Dardari
- ICC 2012, (WCS) Simon Pun
- Globecom 2012 - (WCS) – Lorenzo Mucchi, (CTS) Shin Hyundong, (CRNS) Peter Jung
- ISWCS 2012, Didier Le Ruyet, and Xiangyang Wang
- Latin-American Conference on Communications 2011 (LATINCOM 2011) , A. Giorgetti
- ICT 2012, Wei Peng, Zhen Kong, and Shaodan Ma
- RWS 2012, Dimitris Toumpakaris, Yiqing Zhou, Davide Dardari
- ISWPC 2012, A. Rabbachin and A. Bogliolo
- ICUWB 2012, I. Oppermann, D. Dardari, A. Conti
- ICC 2013 – Metha B. Neelesh (WCS), A. Giorgetti (CRNS), V. Tralli -(CTS), H. Zhen (SP)

## *IEEE Globecom 2011*

When: *5.12.2011 – 9.12.2011*

Where: *Houston, Texas*

Symposium/Track: *Wireless Communications Symposium*

Co-chairs: *Daji Qiao, Wei Song, Xinbing Wang, Vincent Wong, Matti Latva-Aho, Tony Q.S. Quek*

RCC representative: *Matti Latva-Aho (matti.latvaaho@ee.oulu.fi)*

*Tony Q.S. Quek (qsquek@ieee.org)*

Total Submissions: *567 (2923 all WS)*

Acceptance Rate: *34.39%*

#TPC members: *232*

Avg number of reviews/paper = *3*

*37 sessions*

## *IEEE International Conference on UWB (ICUWB 2011)*

When: 14.09.2011 – 16.09.2011

Where: *Bologna, Italy*



G. Marconi

*General chairs:* Marco Chiani and Davide Dardari

*Technical Program chair:* Andrea Conti -- *TP vice-chairs:* T. S. Quek, A. Nallanathan

*RCC representatives:* Davide Dardari and Marco Chiani

Total Submissions: 208

Acceptance Rate: 63%

#TPC members: 56 members from 19 countries

Review process: 138 papers reviewed by  $\geq 3$  reviewers, 70 by 2 reviewers

3 best student paper awards (with 300 Euros reward), 2 best paper awards

23 oral technical sessions (no poster sessions) 1 historical session during the visit to Marconi's museum

2 keynote speeches: Dag Wisland (Novelda), Moe Win (MIT)

## *IEEE International Conference on UWB (ICUWB 2012)*

When: *17.9.2012 – 20.8.2012*

Where: *Syracuse, NY*

Symposium/Track: *ICUWB2012 (Intl. Conf. on Ultra Wide Band)*

Co-chairs: *Ercument Arvas, Pramod Varshney*

RCC representatives: *Ian Oppermann, Andrea Conti, Davide Dardari*

Total Submissions: *200+ expected*

Acceptance Rate (final/expected): *50% - 75% expected*

#TPC members: *54*

Avg number of reviews/paper = *3*

Rebuttal process *No*

Keynote speech: *Rich Goldman, VP Synopsys, History of Space Travel and Microprocessors.  
Two others TBD.*

## *2011 Technical Symposium at ITU Telecom World (ITU WT)*

When: *24.10.2011 – 27.10.2011*

Where: *Geneva, Switzerland*

Technical Symposium: *2 Tracks held in parallel on the third and fourth (last) day of the event. Sessions on: Security a Key Issue for Success of Future Networks; Sustainable Growth Potential of Green Telecommunications; Broadband Options; Improving Healthcare by Introducing eHealth Services; Future Networks; Efficiency Challenges of eGovernment; LTE Deployment Challenges; Broadband Networks for Rural Service Delivery; Small Coverage Area Cells for Future Wireless Networks; Standardisation in Practice; Cognitive Management of Spectrum; Dependability of Emerging Economies on ICTs*

Co-chairs: *Stuart Sharrock (Telemates, UK) and Marko Jagodic (Iskratel, Slovenia)*

RCC representative: *Davide Dardari*

Total Submissions: *113*

Acceptance Rate (final): *33%*

#TPC members: *43*

Avg number of reviews/paper = *4*

Rebuttal process *N*



## Radio Communications Committee (RCC) Meeting

December 8, 2011 - Houston, USA

### *The IEEE 3rd Latin-American Conference on Communications 2011 (LATINCOM 2011)*

**When:** 26.10.2011 – 28.10.2011    **Where:** Belém, Pará, Brazil    <http://www.ieee-latincom.org>

**Symposium/Tracks:** *"Sustainable Communications and Energy Efficiency," "Communications Systems and Signal Processing," "Next-Generation Networking and Internet," "Mobile and Wireless Networking," "Communication Software, Services and Multimedia Applications," "Communication QoS, Reliability and Performance Modeling"*

**General Chairs:** *Antônio J. G. Abelém and João C. W. A. Costa*

**Technical Program Co-Chairs:** *Stefano Bregni and Eduardo Cerqueira*

**RCC representative:** Andrea Giorgetti

Total Submissions: 102

Acceptance Rate (final/expected): 41% / 50%

Number of TPC members: 73

Avg number of reviews/paper = 3.41 (min 3)                      Rebuttal process: NO

Keynote talks: Torsten Braun, Madjid Merabti, Antonio Loureiro

## *2012 IEEE Radio Wireless Symposium*

When: *15.01.2012 – 18.01.2012*

Where: *Santa Clara, CA, USA*

Symposium/Track: *Radio Wireless Symposium/Digital Signal Processing as Applied to Wireless*

Co-chairs: Takao Inoue

RCC representative: *Davide Dardari*

Total Submissions: *300*

Acceptance Rate (final/expected): *72%*

#TPC members: *192*

Avg number of reviews/paper = *5*

Rebuttal process *N*

Keynote speech: Dr. Arogyaswami Paulraj

## *ICC 2013*

When: June 9-13, 2013

Where: *Budapest*

Executive Chair: Lajos Hanzo

Technical Program Chair: Andreas F. Molisch

Technical Program Vice-Chair: Andrea Conti and Iain Collings

Tutorial Chairs: Marco Chiani and Wei Chen

RCC delegates Co-Chairing Technical Symposia:

Neelesh B. Mehta (Wireless Communications Symposium)

Velio Tralli (Communications Theory)

Hongyang Zhen (Signal Processing for Communications)

Andrea Giorgetti (Cognitive Radio and Networks Symposium)

## Standard Activities

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

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

RCC representative: Dr. George Chrisikos ([gchrisikos@ieee.org](mailto:gchrisikos@ieee.org))

## *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, and Operational Issues

### **Activities (since last report):**

- Approved Improved "SmartGrid" PAR – 1909.1: "Recommended Practice for Smart Grid Communication Equipment – Test Methods and Installation Requirements"
- Revised P1906.1 P&Ps approved: Nanoscale and Molecular Communications
- Petition IEEE SASB to authorize DySPAN-SC as Sponsor for IEEE 1900.x Projects. TBD
- Concerns surrounding voting privileges and WG P&Ps: TDB
- Accepted P1900.5 PAR request: Draft Standard for Policy Language Requirements and System Architectures for Dynamic Spectrum Access Systems- submitted to NesCom;
- Approved P1900.5.1 PAR: IEEE Standard Policy Language for Dynamic Spectrum Access Systems – sent to NesCom
- Considering P1903.1, P1903.2 and P1903.3 draft PARs: Technical Standard for Self-Organizing Management Protocols of Next Generation Service Overlay Network
- Approved P1907.1 Draft PAR: Standard for Network-Adaptive Quality of Experience Management Scheme for Real-Time Video Communications
- Approved P1904.1 SIEPON Compliance Testing PARS on Conformance: Standard for Service Interoperability in Ethernet Passive Optical Networks

## ComSoc Standard Board (CSSB) – TC's liaisons issue

### **Proposal to change ComSoc by-laws with respect to the Standards Activities to change TCs observer status to include voting rights**

CSSB and TC interact in 3 ways:

- CSSB requests that TC's help to determine whether a given Project Authorization Request (PAR) is within ComSoc scope
- CSSB notifies TCs of standard-related activities. IEEE members are given the option of becoming involved in SA at Working Group level
- CSSB may ask a TC help in identifying neutral experts in formulating a PAR

TC-Liaisons are appointed to facilitate communication

TC-Liaisons are not CSSB member and do not have vote rights

## CSSB – TC's liaisons issue

The direct involvement of TCs is not possible for legal reasons.  
TCs are not recognized entities under the IEEE-Standard Association

Participants in standard process must fit into a legal framework for  
IEEE-SA

TCs are encouraged to propose standard projects to CSSB and form  
Standard Working Groups according to the IEEE-SA process

## Recertification Remarks

### 2010 Recertification remarks received

*“.... There is a large possibility for misunderstanding between the role of the Wireless Communications Committee and the Radio Communications Committee.*

*Perhaps the name of the committee could be changed to Physical Layer Radio Communications Committee, though I understand that this may be somewhat redundant and overlong.*

*A more workable solution would be to include the term physical layer communications in the description. Because they mention electromagnetic propagation in their explanation, they also may want to include in their description if optical communications are part of their charter.*

*In addition, because there is the potential for overlap between this group and other TCs, we would like to see in the next round a more compelling reason for the need for a Wireless TC and a Radio TC as the Wireless TC does include physical layer communications. ...”*

## New Business Items

Creation of RCC “Best readings” database?

Soliciting nominations for Outstanding Service Award 2012

Soliciting nominees for Technical Program Committee activities

Soliciting nominees for IEEE Fellowships

Other issues?

## Next RCC Meeting

The next RCC meeting will be scheduled in  
ICC2012, Ottawa, Canada

**THANK YOU AND  
SEE YOU THEN!**

## Officers Contacts

Chair: Davide Dardari  
University of Bologna, Italy  
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E-mail: [ddardari@ieee.org](mailto:ddardari@ieee.org)

Vice-Chair: Andrea Conti  
University of Ferrara, Italy  
<http://www.andreaconti.info>  
E-mail: [a.conti@ieee.org](mailto:a.conti@ieee.org)

Secretary: Jiangzhou Wang  
University of Kent, United Kingdom  
[http://www.eda.kent.ac.uk/school/staff\\_detail.aspx?id=202](http://www.eda.kent.ac.uk/school/staff_detail.aspx?id=202)  
E-mail: [j.z.wang@kent.ac.uk](mailto:j.z.wang@kent.ac.uk)

RCC Website:

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

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