

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

**IEEE Globecom 2013**  
**Atlanta, GA USA**

December 12, 2013 – 12:00 – 13:30

Chair: Andrea Conti

Vice Chair: Jiangzhou Wang

Secretary: Andrea Giorgetti

# Agenda

1. **Welcome/Introductions**
2. **Approval of Agenda**
3. **Approval of ICC'13 RCC Meeting Minutes (available on the website)**
4. **Conferment of the 2013 IEEE ComSoc RCC Technical Recognition Award**
5. **Report on Conference/Workshop Activities**
6. **Report on Standards Activities**
7. **Elevated Fellows and Selected Distinguished Lecturers**
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.

## 2013 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

2013 IEEE ComSoc RCC Technical Recognition Award

***Prof. Lajos Hanzo***

***"For outstanding contributions to research and education in radio technologies"***



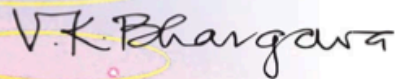
IEEE COMMUNICATIONS SOCIETY  
RADIO COMMUNICATIONS COMMITTEE

# 2013 TECHNICAL RECOGNITION AWARD

IS PRESENTED TO

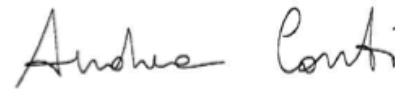
## LAJOS HANZO

FOR OUTSTANDING CONTRIBUTIONS TO RESEARCH AND EDUCATION IN RADIO TECHNOLOGIES



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VIJAY BHARGAVA  
PRESIDENT  
IEEE COMMUNICATIONS SOCIETY



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ANDREA CONTI  
CHAIR  
COMSOC RADIO COMMUNICATIONS COMMITTEE

## Endorsed Conferences

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

## *Conference Reports*

### **Conference Report**

- **ICC 2014:** Yiqing Zhou (WCS), Rose Hu (SP)
- **GLOBECOM 2014:** Santiago Mazuelas (WCS), Alberto Rabbachin (CRN)
- **GLOBECOM 2013:** Claude Oestges (WCS), Nallanathan Arumugam (CT), Andrea Giorgetti (CRN)
- **MED-HOC-NET 2014:** Andrea Giorgetti
- **ICT 2014:** Peng Xu, Barbara Masini
- **ITS 2014:** Jun-bo Wang, Dongmin Wang, Wei Peng
- **WiSEE 2013:** Davide Dardari, Andrea Conti, Oliver Holland
- **COMCAS 2013:** Doug Zuckerman, Koichi Adachi, Yanxiang Jiang
- **ISPCC 2013:** Lin Dai, Gianni Pasolini, Flavio Zabini
- **ITSC 2013:** Jun-bo Wang, Dongmin Wang, Wei Peng



## ICC 2014

When: 10.06.2014 – 14.06.2014

Where: Sydney, Australia

Symposium/Track: *Wireless Communication Symposium*

Co-chairs: *Yahong Rosa Zheng, Yiqing Zhou, Cheng Li, Peter M.R. Rost, and Jinhong Yuan*

RCC representative: *Yiqing Zhou (yqzhou@eee.hku.hk and zhouyiqing@ict.ac.cn)*

Total Submissions: 260

Acceptance Rate (final/expected): around 36%

#TPC members: *TBD*

Avg number of reviews/paper = *at least 3*

Rebuttal process Y/N: *N*

Keynote speech: *TBD*

## ICC 2014

When: 10.06.2014 – 14.06.2014

Where: Sydney, Australia

Symposium/Track: *Signal Processing for Communications*

Co-chairs: Tomohiko Taniguchi, Lingyang Song, Rose Qingyang Hu

RCC representative: *Rose Qingyang Hu (rose.hu@usu.edu)*

Total Submissions: 180

Acceptance Rate (final/expected): expected: 36%

#TPC members: 94

Avg number of reviews/paper = 3.1

Rebuttal process *N*

Keynote speech: *speakers: N/A*

## **Globecom 2014**

When: 8.12.2014 – 12.12.2014

Where: *Austin, TX*

Symposium/Track: *Wireless Communications Symposium*

Co-chairs: *Huaiyu Dai, Luc Deniere, Hlaing Minn, Santiago Mazuelas, Daniele Tarchi, and Zhaoyang Zhang.*

RCC representative: *Santiago Mazuelas (mazuelas@mit.edu)*

Total Submissions: *xxx*

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

#TPC members: *xxx*

Avg number of reviews/paper = *z*

Rebuttal process *Y/N*

Keynote speech: *speakers*

## ***Globecom 2014***

When: 8.12.2014 – 12.12.2014

Where: *Austin, TX*

Symposium/Track: Cognitive Radio Symposium

Co-chairs: Ahmed E. Kamal, *Alberto Rabbachin*

RCC representative: *Alberto Rabbachin (a.rabbachin@ieee.org)*

Total Submissions: NA

Acceptance Rate (final/expected): NA%

#TPC members: 200

Avg number of reviews/paper = 3

Rebuttal process *N*

Keynote speech: *NA*

## **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 (Valid) Submissions: *371 (not including 37 withdrawn papers)*

Acceptance Rate: *37.5% (139 accepted papers)*

#TPC members: 383

Avg number of reviews/paper: 3.2

Rebuttal process: *1 (paper was eventually rejected)*

Keynote speech: *Lew Tucker (CISCO), Jessica Rosenworcel (FCC), Branko Bjelajac (Landis)*

## ***Globecom 2013***

When: 09.12.2013 – 13.12.2013

Where: Atlanta, GA

Symposium/Track: *Cognitive Radio and Networks Symposium*

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

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

Total Submissions: 186

Acceptance Rate (final/expected): 36.7%

#TPC members: 420

Avg number of reviews/paper = 3-4

Rebuttal process *N*

Keynote speech: *Lew Tucker (CISCO), Jessica Rosenworcel (FCC), Branko Bjelajac (Landis)*

## ***Globecom 2013***

### **GC'13 Communication Theory Symposium**

Co-Chairs (Nominating TC in parenthesis):

Nallanathan Arumugam, King's College London, UK (SPCE,RCC)

Sang Wu Kim, Iowa State University, USA (CT)

Lian Zhao, Ryerson University, Canada (WC)

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: Accepted 50, for a 36.7% acceptance rate.

10 sessions (including one poster session) of 5 papers

## ***Med-Hoc-Net 2014***

When: *02.06.2014 – 04.06.2014*

Where: *Piran (Slovenia)*

Symposium: *Med-Hoc-Net 2014 (The 13th IEEE IFIP Annual Mediterranean Ad Hoc Networking Workshop)*

Co-chairs: *Fulvio Babich - University of Trieste, Italy, Eve Schooler - Intel Labs, USA*

RCC representative: *Fulvio Babich (babich@units.it)*

Total Submissions (expected): *150*

Acceptance Rate (expected): *35%*

#TPC members: *55*

Avg number of reviews/paper *>3*

Rebuttal process *N*

Keynote speech: *speakers*

Further info: <http://netlab.cs.ucla.edu/medhocnet2014/>



## ***International Conference on Telecommunications - ICT 2014***

When: 5 – 7 May 2014

Where: Lisbon, Portugal

General Chairs: Carlos Salema (Instituto Telecomunicações Portugal)

Francisco Cercas (ISCTE-IUL)

RCC representatives: Dr. Peng Xu (Northeastern University, China)

Dr. Barbara Masini (National Research Council, Italy)

Total Submissions (expected): *N/A*

Acceptance Rate (expected): *35%*

#TPC members: *57*

Avg number of reviews/paper *N/A*

Rebuttal process *N*

Keynote speech: *speakers*

## ***International Telecommunications Symposium - ITS 2014***

When: 17 – 20 August 2014

Where: São Paulo, Brazil

General Chair: João Marcos Travassos Romano, University of Campinas, Brazil

Technical Program Co-Chairs:

Paulo Cardieri, University of Campinas, Brazil

Vítor Heloiz Nascimento, University of São Paulo, Brazil

RCC representative: Wei Peng ([pengwei@ieee.org](mailto:pengwei@ieee.org))

Total Submissions (expected): *N/A*

Acceptance Rate (expected): 35%

#TPC members: *N/A*

Avg number of reviews/paper *N/A*

Rebuttal process *N*

Keynote speech: *speakers*

## ***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: *69 papers* (Attendance: *84 persons incl. 6 organizers, Total Rev.: \$45K*)

Acceptance Rate: Final *35%* / Expected *30%* (Accepted *16 papers and 8 poster*)

#TPC members: *45*

Avg number of reviews/paper = *3*

Rebuttal process: *N*

*Note: 2014 event will be in ESA facility close to Amsterdam, NL.*

Keynote speech: *Scott Burleigh (NASA JPL), Anthony Ephremides (University of Maryland), Mark Kaufman (Aerojet Corp.), Nader Moayeri (NIST), Koji Tanaka (JAXA), Paul Werbos (NSF).*

## ***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: 148 (excluding papers that were withdrawn)

Acceptance Rate (final): *69 percent*

#TPC members: 155

Avg number of reviews/paper = 3

Rebuttal process *N*

Keynote speakers: Adam Drobot (OpenTechWorks, USA) and Shahar Rivel (Intel, Israel)

## ***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): **10.65%**

#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),*



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

When: 06.10.2013 – 09.10.2013

Where: *Hague, Netherlands*

General Chair: Bart van Arem (Delft University)

General Co-Chair: Hans van Lint (Delft University)

RCC representative: Wei Peng ([pengwei@ieee.org](mailto:pengwei@ieee.org))

Total Submissions: 633

Acceptance Rate (final/expected): 65%

#TPC members: 138

Avg number of reviews/paper = 2.85

Rebuttal process: N

Keynote speech: Bob Denaro and Matthew G. Karlaftis (National Technical University of Athens)

## ***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***

- ◆ Meeting discussions since last report at ICC 2013
  - New PAR on Standard for Loop-Free Forwarding with Meshed Tree Bridging
  - 1903-NGSON Working Group P&P approved
  - 1907.1 Working Group P&P approved
  - Ubiquitous Green Community Control Network (UGCCNet) projects P1888.1, P1888.2, P1888.3, and P1888.4 joint sponsorship approved
  - Revision of IEEE 269-2010 Standard for Measuring Electroacoustic Performance of Communication Devices PAR approval
  - P1903 Next-Generation Service Overlay Network (NGSON) tutorial
  - P1904.1/Draft 3.4 “Standard for Service Interoperability in Ethernet Passive Optical Networks (SIEPON)” submitted for approval
  - P1906.1 nanoscale communication approaches proposed for standardization
  - P1910.1 Standard for Meshed Tree Bridging with Loop Free Forwarding PAR approved
  - 1680-2009 IEEE Standard for Environmental Assessment of Electronic Products assessment for project status



## 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
- 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 1901.2-2013: Standard for Low Frequency (less than 500 kHz) Narrow Band Power Line Communications for Smart Grid Applications
- 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
- IEEE 2030.5-2013: Standard for Smart Energy Profile 2.0 Application Protocol

### ◆Active projects:

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

## Elevated Fellows and Selected Distinguished Lecturers

### Fellow grade

86 candidates, 28 elevated to the Fellow grade.

Congratulations to:

George K. Karagiannidis

### Distinguish Lecturers

48 candidates: selected 7 new, 13 renewal

Congratulations to:

Norman C. Beaulieu (new)

George Chrisikos (renewed)

Mischa Dohler (renewed)

## New Business Items

### TC recertification

Every three years

RCC is doing well and will be recertified.

We have been asked to:

update your Policies and Procedures document and your Charter

update the logo on the website and move to ComSoc URL

provide feedback on the advantages and disadvantages of consolidation

## New Business Items

### 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

## New Business Items

**Soliciting nominations for Outstanding Service Award 2014**

**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  
ICC 2014, Sydney, Australia**

**THANK YOU AND  
SEE YOU THEN!**



## Officers Contacts

**Chair: Andrea Conti**

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

**Vice-Chair: 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)

**Secretary: Andrea Giorgetti**

University of Bologna, Italy  
<https://sites.google.com/site/andrewgiorgetti/>  
E-mail: [andrea.giorgetti@unibo.it](mailto:andrea.giorgetti@unibo.it)

**RCC Website:**

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

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