IEEE COMMUNICATIONS SOCIETY

Radio Communications Committee (RCC)

IEEE Globecom 2016
Washington, DC, USA
December 7, 2016 – 12:30 – 14:00

Chair: Hanna Bogucka
Vice Chair: Andrea Giorgetti
Secretary: Yuan Shen
Agenda

1. Welcome/Introductions
2. Approval of Agenda
3. Approval of ICC’16 RCC Meeting Minutes (available on the website)
5. Plenary Talk by Dr. William C. Linsey
6. Report on Conference/Workshop/Standards Activities
7. Student Competition: Communication Technology May Change the World
8. New Business items
9. Election of New RCC Officers
10. Next RCC meeting
11. Adjourn
RCC Mission

The IEEE Communications Society’s Radio Communications Committee (RCC) is primarily interested in physical layer wireless communications. Its areas of interest include engineering aspects of communication and localization systems, equipment, and operation with involvement in standardization, spectrum, and regulatory efforts. Technologies considered span point-to-point, point-to-multipoint, multipoint-to-multipoint, mobile radio access, and adaptive diversity systems. The RCC sponsors and promotes technical publications, conferences, symposia, workshops, tutorials, and other related activities on the aforementioned aspects. The committee also assumes the proactive duty to nominate suitable candidates for Communications Society and IEEE awards, propose distinguished lecturer candidates, and endorse deserving candidates for the election to IEEE Senior Member and Fellow grade.
Approval of ICC’16 RCC Meeting Minutes available at

http://rc.committees.comsoc.org/meeting-reports-2/

New Website
2016 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

2016 IEEE ComSoc RCC Technical Recognition Award

William C. Lindsey

for pioneering contributions to synchronization theory and digital communication technologies
2016 TECHNICAL RECOGNITION AWARD

IS PRESENTED TO

WILLIAM C. LINDSEY

FOR PIONEERING CONTRIBUTIONS TO SYNCHRONIZATION THEORY
AND DIGITAL COMMUNICATION TECHNOLOGIES

HAEVEY FREEMAN
PRESIDENT
IEEE COMMUNICATIONS SOCIETY

H. BOGUCKA
CHAIR
COMSOC RADIO COMMUNICATIONS COMMITTEE
RCC Plenary Talk

Radio, Optimal and Quantum Communications: Past, Present and Future

Dr. William C. Linsey
Supported conferences

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

Conference Reports

- **ICC 2016**: Marco Chiani (CT)
- **ICC 2016**: Norman Beaulieu (CRN)
- **GLOBECOM 2016**: Hyundong Shin (CRN)
- **GLOBECOM 2016**: Dania Marabissi, Yuan Shen (SPC)
- **ICC 2017**: Fulvio Babich (CT)
- **ICC 2017**: Oliver Holland (CRN)
- **ICC 2017**: Davide Dardari (WC)
- **ASMS 2016**: Adrian Kliks
- **ISWCS 2016**: Hanna Bogucka

- **GC 2017**: Andrea Conti
- **ICC 2018**: Andrea Giorgetti
ICC 2016 – Communication Theory Symposium

Where: Kuala Lumpur, Malaysia

Symposium/Track: Communication Theory Symposium
Co-chairs: Marco Chiani, Marios Kountouris, Xu Zhu
RCC representative: Marco Chiani (marco.chiani@unibo.it)

Total Valid Submissions: 134
Acceptance Rate: 39% (53 papers accepted, 81 rejected)

#TPC members: 151
Avg number of reviews/paper = 3.5

Rebuttal process N

Keynote speech: John Cioffi (ASSIA Inc.), Seizo Onoe (NTT DOCOMO), Henning Schulzrinne (FCC), Mischa Dohler (King’s College London)
ICC 2016 – Cognitive Radio and Networks Symposium

Where: Kuala Lumpur, Malaysia

Symposium/Track: Cognitive Radio Symposium
Co-chairs: Norman C. Beaulieu, Lingyang Song
RCC representative: Norman C. Beaulieu (nborm@bupt.edu.cn)

Total Submissions: 114
Acceptance Rate: 46/116 = 40%

#TPC members: 137
Avg number of reviews/paper = 4 per paper

Rebuttal process N

Keynote speech: John Cioffi (ASSIA Inc.), Seizo Onoe (NTT DOCOMO), Henning Schulzrinne (FCC), Mischa Dohler (King’s College London)
Globecom 2016 – Cognitive Radio Network Symposium

Where: Washington, DC, USA

Symposium/Track: Cognitive Radio Network Symposium
Co-chairs: Lingyang Song, Hyundong Shin, Kit Wong
RCC representative: Hyundong Shin (hshin@khu.ac.kr)

Total Submissions: 119
Acceptance Rate: 40.3%

#TPC members: 199
Avg number of reviews/paper = 2.51

Keynote speech: Edward Tiedemann, Vahid Tarokh, Martin Hellman, Julius Knapp, Sorabh Saxena, Muriel Médard, Asha R. Keddy
Globecom 2016 – Signal Processing for Communications Symposium

Where: Washington, DC, USA

Symposium/Track: Signal Processing for Communications Symposium

Co-chairs: Dania Marabissi, Trung Q. Duong, Yuan Shen

RCC representative: Dania Marabissi (dania.marabissi@unifi.it)
Yuan Shen (shenyuan_e@tsinghua.edu.cn)

Total Submissions: 153
Acceptance Rate: 56/153 = 37%

#TPC members: 174
Avg number of reviews/paper = 4.1

Keynote speech: Edward Tiedemann, Vahid Tarokh, Martin Hellman, Julius Knapp, Sorabh Saxena, Muriel Médard, Asha R. Keddy

Rebuttal process N
ICC 2017 – Communication Theory Symposium


Symposium/Track: Communication Theory Symposium

Co-chairs: Ender Ayanoglu, Fulvio Babich, Steven Weber

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

Total Submissions: 165
Acceptance Rate (final/expected): 30-40% expected

#TPC members: 140

Avg number of reviews/paper = 3-4 Rebuttal process N

Keynote speech: ??
ICC 2017 – Wireless Communications Symposium


Symposium/Track: Wireless Communications Symposium
Co-chairs: Davide Dardari, Mohamad Assaad, Azzedine Boukerche, Hamalainen Jyri
RCC representative: Davide Dardari (davide.dardari@unibo.it)

Total Submissions: 547 (+10%)
Acceptance Rate (expected): 33-40% → Target 38%

#TPC members: 324
Average load per TPC member: about 5
Avg number of reviews/paper = 3/4
Review to be completed by 18/12/2016
Acceptance notification by 27/1/2017
ICC 2017 – Cognitive Radio and Networks Symposium


Symposium/Track: Cognitive Radio and Networks Symposium
Co-chairs: Walid Saad, Oliver Holland
RCC representative: Oliver Holland (oliver.holland@kcl.ac.uk)

Total Submissions: 93
Acceptance Rate (final/expected): 30-40% expected

#TPC members: 108
Avg number of reviews/paper = 3-4       Rebuttal process N

Keynote speech: ??
ASMS 2016

Where: Palma de Mallorca, Spain

Symposium/Track: 8th Advanced Satellite Multimedia Systems Conference (jointly with 14th Signal Processing for Space Communications Workshop)

Co-chairs:
• ASMS/SPSC 2016 Executive Co-Chairs: Ana Isabel Pérez Neira, CTTC; Gonzalo Seco Granados, UAB
• ASMS General Co-Chairs: Sandro Scalise, DLR; A.Vanelli-Coralli, Univ. of Bologna
• SPSC General Co-Chairs: Alberto Ginesi, ESA; Domenico Mignolo, ESA

RCC representative: Adrian Kliks (adrian.kliks@put.poznan.pl)

Total Submissions: 61
Acceptance Rate (final): 47.5%
Rebuttal process: N

#TPC members: 47 (2 co-chairs)
Avg number of reviews/paper: 4 reviews

Keynote speech:
• LTE evolution and road to 5G, D. Flore, Chairman of 3GPP RAN
• New Satellite Architectures and Services: a Holistic Approach, Antonio Arcidiacono, Eutelsat Director of Innovation
• Satellite Communications: From Zero-G to 5G in Four Decades, Richard Locke, Director, Advanced Systems Engineering, Inmarsat

Where: Poznan, Poland

TPC Chair: Hanna Bogucka (hanna.bogucka@put.poznan.pl)
RCC representative: Andrea Giorgetti, Marco Chiani, Tony Quek

Total Submissions: ~500
Acceptance Rate (final): ~ 48%

#TPC members: >200 (incl. Hanna Bogucka, Marco Chiani, Tony Quek)
Avg number of reviews/paper = 3 – 4

Keynote speech: Andrea Goldsmith, Alex Wyglinski, Adam Wolisz, Ruediger Urbanke, Patrick Marsch, Erik Ström
Globecom 2017

When: 04/12/2017 – 08/12/2017    Where: Singapore

Symposium/Track: Wireless Communications Symposium
Co-chairs: Andrea Conti, Mohamed-Slim Alouini, Kaibin Huang, Zhiguo Shi
RCC representative: Andrea Conti (aconti@ieee.org)

ICC 2018

When: 20/05/2018 – 24/05/2018    Where: Kansas city, USA

Symposium/Track: Signal Processing for Communications Symposium
Co-chairs: Andrea Giorgetti, Xiaohu Ge, Takahiro Saba
RCC representative: Andrea Giorgetti (andrea.giorgetti@unibo.it)

Prospective TPC members can contact our representatives!
ComSoc Standards Board Technical Committee Liaisons Report

RCC Standard Liaisons Officer: George Chrisikos (gchrisikos@ieee.org)

• ComSoc SB Objective:
  • Discussion of IEEE/ComSoc Standards Development Projects
  • New Standardization Initiatives
  • Procedures
  • Operational Issues

  • Oliver Holland, Vice Chair
  • Adrian Kliks, Secretary
IEEE Communications Society (ComSoc) Standards Development Board (SDB)

**Approved standards:**

**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-Conformance: Standard for Conformance Test Procedures for SIEPON, IEEE Std 1904.1 Package A, B, 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
- P1911.1: IEEE Draft Standard — Adoption of HDBaseT Specification Version 1.1.0
- P1911.2: IEEE Draft Standard — Adoption of HDBaseT Specification Version 2.0
- P1911.3: Standard for HDBaseT 5Play
- P1912: Standard for Privacy and Security Architecture for Consumer Wireless Devices
- P1914.1: Standard for Packet-based Fronthaul Transport Networks
- P1915.1: Standard for Software Defined Networking and Network Function Virtualization Security
- P1916.1: Standard for Software Defined Networking and Network Function Virtualization Performance
- P1917.1: Standard for Software Defined Networking and Network Function Virtualization Reliability
- P2413: Standard for an Architectural Framework for the IoT (Co-sponsor)
Dynamic Spectrum Access Networks Standards Committee (DySPAN-SC)

**Approved standards:**
- IEEE 1900.2-2008: IEEE Recommended Practice for the Analysis of In-Band and Adjacent Band Interference and Coexistence Between Radio Systems

**Active projects:**
- 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 1901.2-2013: IEEE Standard for Low Frequency (less than 500 kHz) Narrow Band Power Line Communications for Smart Grid Applications
- IEEE 2030.5-2013: IEEE Adoption of Smart Energy Profile 2.0 Application Protocol Standard
- IEEE 1909.1-2014: IEEE Recommended Practice for Smart Grid Communications Equipment — Test Methods and Installation Requirements
- IEEE 1901.2a-2015: IEEE Standard for Low-Frequency (less than 500 kHz) Narrowband Power Line Communications for Smart Grid Applications – Amendment 1

**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
- P2413: Standard for an Architectural Framework for the IoT (Co-sponsor)
Communication Technology May Change the World
Student Competition

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

The competition Communication Technology May Change the World, by the IEEE Communications Society – Member Relations, recognizes students or teams of students who demonstrate the capacity to improve the lives of people, through the application of communication technology and the development of projects that meet the human needs of people.

http://www.comsoc.org/communications-technology-changing-world

Number of evaluated project: 36 (after having removed various incomplete entries and several projects, which resulted not eligible because there were no ComSoc Student Members in the submitting team.)

Prizes

• 1st: USD $2000 + plaque
• 2nd: USD $1000 + plaque
• All other projects judged meritorious by the evaluation committee will receive honorary certificates of appreciation by the IEEE Communications Society.
STUDENT COMPETITION 2016 RESULTS

FIRST PRIZE

Cooperative Networks for Ubiquitous Localization and Navigation
• Wenhan Dai, Bryan Teague, Zhenyu Liu, Massachusetts Institute of Technology, USA

SECOND PRIZE

RIM: Resilient Information Management System in Network-Isolated Environment after Disasters
• Kazuya Anazawa, Yasuyuki Maruyama, Yuto Ouch, Hibiki Osawa, Yusuke Igarashi, the University of Aizu, Japan
IEEE and IEEE ComSoc Awarded

Edwin Howard Armstrong Achievement Award
Congratulations to: Moe Z. Win

Selected Distinguished Lecturers

Distinguished Lecturers (2017 – 2018)
Congratulations to: Luiz DaSilva (renewed)
IEEE 2017 Newly Elevated Fellows

- Michael Rice (Brigham Young University, USA)
- Qilian Liang (University of Texas at Arlington, USA)
- Hossam Hassanein (Queen's University, Canada)
- Teng Joon Lim (National University of Singapore, Singapore)
- Phone Lin (National Taiwan University, Taiwan)
- Arumugam Nallanathan (King's College London, UK)
- Chonggang Wang (InterDigital Communications, USA)
- Halim Yanikomeroglu (Carleton University, Canada)
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 award for a survey paper: nominations will be solicited soon.

Evaluation of 1/3 of TCs every year (RCC not selected in 2016)

• eight of the committees evaluated (7 positive and 1 reevaluated in 6 months)
• recommendations for more standards activities
New Business Items

Soliciting nominations for Outstanding Service Award 2017 (March 1, 2017)

Past awards:

2016 – Alberto Rabbachin
2015 – Andrea Conti
2014 – Arumugam Nallanathan
2013 – Davide Dardari
2012 – George Chrisikos
2011 – Andreas Molisch
2010 – Moe Z. Win
2009 – Hsiao-Hwa Chen
2008 – Marco Chiani
New Business Items

New Award: Early achievement award

- Recognize members of the RCC who have achieved early career visibility in the field through research and service and who
  - have participated in the RCC (e.g., attended RCC meetings, served RCC in a significant capacity, been member of the TPC for ICC/GLOBECOM)
  - are within 10 years of their Ph.D.
- Nomination procedure
- RCC Awards Committee

AOB?
New Business Items

Upcoming RCC Newsletter

Communication from TAC:
- Newsletters
- Involvement in IEEE activities, e.g. Green IST, Smart grids,…

Soliciting nominees for Technical Program Committee activities

Join the RCC discussion group at
http://community.comsoc.org/groups/tc-radio-communications

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

AOB?
## Voting Member List

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<thead>
<tr>
<th>Hamid</th>
<th>Aghvami</th>
<th>Andrea</th>
<th>Giorgetti</th>
<th>Arumugam</th>
<th>Nallanathan</th>
<th>Rath</th>
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<td>George</td>
<td>Alexandropoulos</td>
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<td>Hanna</td>
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<td>Davide</td>
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<td>Istvan</td>
<td>Frigyes</td>
<td>Andres F.</td>
<td>Molisch</td>
<td>Matthew</td>
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<td>Huiling</td>
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RCC Officers Election (2017-2018)

Nomination and Election Policies and Procedures

Term

The nominal term for Chair, Vice-Chair and Secretary shall be two years. Any officer can be elected to the same position for one additional, contiguous term (i.e., continuously serve in any particular officer position for a maximum of four years). TC officers can be elected to a different officer position, but in no case shall one person continuously serve as a TC officer within the same TC for more than eight consecutive years.

Nomination

To facilitate the election of new officers, the TC establishes an ad-hoc Nomination and Election (N&E) Committee, made up of Active Members of the TC. The N&E Committee consists of past chairs and other TC members assigned by the current TC Chair and the number of the N&E Committee members should be from three to five. The N&E Committee is chaired by the current TC Chair. (...). It is desirable that the N&E Committee identifies at least two candidates for each officer position. (...) The N&E Committee will then meet (either in person, by teleconference, or through email) to select a single nominee for each officer position.
RCC Officers Election (2017-2018)

Election

The election of a new chair is to be administered by the TC Chair and is to take place at a general meeting of the TC (normally during Globecom). In the event that the current TC Chair has been nominated to continue in that position, then the election will be administered by the Vice-Chair. The Chair of the N&E Committee will present its nominees to the members present at the general meeting. At that time, nominations will also be accepted from the floor. Any nominees brought forth at the meeting must meet the criteria for holding the officer positions. That is, they must be Active Members of the TC who have consented to the nomination and have indicated a willingness to serve if elected. All nominees must be present at the TC meeting where the election occurs. It is desirable that extemporaneous, from-the-floor nominations, receive support from three or more members at the meeting.
RCC Officers Election (2017-2018)

Voting

TC elections shall be administered by the TC Chair, or in his/her absence, any other elected officer. 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 who is running the election shall cast a tie-breaking vote.

Voting will be conducted through a simple show of hands unless a secrete ballot is requested. Votes will be counted by at least one officer of the TC and any other member (officer or not). A record of votes cast must be retained for post-election audit purposes.
RCC Officers Election (2017-2018)

Nomination and Election Committee

- Chair: Hanna Bogucka
- 3 past Chairs: Andreas F. Molisch, Davide Dardari, Andrea Conti
- 1 Active Member: Octavia Dobre

Selected candidates for officers positions. The outcome of the selection has been sent to all RCC members and is as follows:

**Chair**: Dr. Andrea Giorgetti, University of Bologna, Italy

**Vice-Chair**: Dr. Yuan Shen, Tsinghua University, China

**Secretary**: Dr. Jemin Lee, Daegu Gyeongbuk Institute of Science and Technology, Korea
RCC Officers Election (2017-2018)

Biography of Dr. Giorgetti:
Andrea Giorgetti (S’98-M’04-SM’13) received the Dr. Ing. (summa cum laude) degree in electronics engineering and the Ph.D. degree in electronic and computer engineering from the University of Bologna, Bologna, Italy, in 1999 and 2003, respectively. He is an Associate Professor with the University of Bologna, Italy. Since 2006, he has been a Research Affiliate for Laboratory for Information and Decision Systems (LIDS), Massachusetts Institute of Technology (MIT), Cambridge, MA, USA. His research interests include ultrawide bandwidth communications systems, active and passive localization, wireless sensor networks and cognitive radio. He has co-authored the book Cognitive Radio Techniques: Spectrum Sensing, Interference Mitigation, and Localization (Artech House, 2012, soon translated in Chinese).

He is the Vice-Chair (2015-2016) of the IEEE Communications Society’s Radio Communications Technical Committee, and past Secretary (2013-2014). He served as an Editor for the IEEE Transactions on Wireless Communications (2012-2016), and as an Editor for the IEEE Communications Letters (2012-2015). He served the IEEE Communication Society as Technical Program Co-Chair for the following symposia: the Int. Symp. on Wireless Comm. Systems (ISWCS 2014), Barcelona, Spain, August 2014; the Cognitive Radio and Networks Symp. (Lead Co-Chair) at GLOBECOM 2013; the Cognitive Radio and Networks Symp. at ICC 2013; the MAC track at WCNC 2009; the Wireless Net. Symp. at ICC 2008. He serves/ed as Technical Program Committee Member for more than forty IEEE conferences.

More information at: https://www.unibo.it/sitoweb/andrea.giorgetti
RCC Officers Election (2017-2018)

Biography of Dr. Shen:

Yuan Shen (S’05-M’14) received the Ph.D. degree and the S.M. degree in EECS from MIT, USA, in 2014 and 2008, respectively, and the B.E. degree in EE from Tsinghua University, China, in 2005. He is an Associate Professor with the EE Department at Tsinghua University. Prior to that, he was a Research Assistant and then Postdoctoral Associate with the Laboratory for Information and Decision Systems (LIDS) at MIT. He was with the Wireless Communications Laboratories at The Chinese University of Hong Kong in Summer 2010, the Hewlett-Packard Labs in winter 2009, and the Corporate R&D at Qualcomm Inc. in Summer 2008. His research interests include statistical inference, network science, control and optimization, and communication and information theory.

Dr. Shen is elected Secretary (2015–2016) for the RCC of the IEEE Communications Society. He serves as TPC Symposium Co-Chair for the IEEE Globecom (2016), the European Signal Processing Conference (EUSIPCO) (2016), and the IEEE ICC Advanced Network Localization and Navigation (ANLN) Workshop (2016 and 2017), as well as a TPC member for many international conferences. He also serves as an Editor for the IEEE Communications Letters since 2015 and Guest-Editor for the International Journal of Distributed Sensor Networks (2015). He is a recipient of the Qiu Shi Outstanding Young Scholar Award (2015), the China’s Youth 1000-Talent Program (2014), the Marconi Society Paul Baran Young Scholar Award (2010), the Qualcomm Roberto Padovani Scholarship (2008), and the MIT Walter A. Rosenblith Presidential Fellowship (2005). His papers received the IEEE Communications Society Fred W. Ellersick Prize (2012) and three Best Paper Awards from the IEEE Globecom (2011), ICUWB (2011), and WCNC (2007).
RCC Officers Election (2017-2018)

Biography of Dr. Lee:

Jemin Lee (S‘06-M’11) received the B.S. (with high honors), M.S., and Ph.D. degrees in Electrical and Electronic Engineering from Yonsei University, Seoul, Korea, in 2004, 2007, and 2010, respectively.

She was a Temasek Research Fellow at iTrust, Centre for Research in Cyber Security, Singapore University of Technology and Design (SUTD), Singapore from 2014 to 2016, and was a Postdoctoral Fellow at the Massachusetts Institute of Technology (MIT), Cambridge, MA from 2010 to 2013. Currently, she is an Assistant Professor at the Department of Information and Communication Engineering, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea. Her current research interests include physical layer security, wireless security, heterogeneous networks, and machine-type communication.

She is currently an Editor for the IEEE Transactions on Wireless Communications and the IEEE Communications Letters, and served as a Guest Editor for the IEEE Wireless Communications, special issue on LTE in Unlicensed Spectrum, 2016, and the ELSEVIER Physical Communication, special issues on Physical Layer Security in 2016 and Heterogeneous and Small Cell Networks in 2014. She received the IEEE ComSoc Asia-Pacific Outstanding Young Researcher Award in 2014, the Temasek Research Fellowship in 2013, the Chun-Gang Outstanding Research Award in 2011, and the IEEE WCSP Best Paper Award in 2014.
Next RCC Meeting

The next RCC meeting will be scheduled in ICC 2017, Paris, France

THANK YOU AND SEE YOU THEN!
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