



IEEETCCN Meeting at ICC 2012 (Ottawa, Canada)

Report on the Technical Committee on Cognitive Networks (TCCN) of IEEE Communications Society (ComSoc)

Honggang ZHANG
IEEE TCCN Chair
Tuesday, 12 June 2012



TCCN Meeting Agenda

1. Welcome & Introduction
2. Approval of the Agenda
3. Approval of TCCN Meeting Minutes (Globecom2011 @Houston)
4. Announcement on the selection of the IEEE TCCN Publication Award
5. Discussion and approval on the TCCN P&P (Policies and Procedures)
6. Reports on Conferences (ICC2012, Globecom2012, ICC'2013, DySPAN2012, etc.)
7. Reports on Publications (JSAC series issue, European Transactions on Telecommunication ETT special issue, etc.)
8. Reports on Standard Activities (IEEE 802.22/16, IEEE DySPAN, TVWS, ITU-R, ETSI, ARIB, etc.)
9. Next TCCN Meeting
10. Other business
11. Adjourn

IEEE TCCN: Scope, Vision & Mission

- The goal of **IEEE TCCN** is to provide a platform for its members in particular, and the *cognitive networking* research, development, policy making and standardization community in general, to interact and exchange technical ideas to identify major challenges and also drive solutions in the development of *cognitive networking technologies*.
- The technical issues addressed by the committee will include spectrum agile/dynamic spectrum access networks, related issues from PHY to application layers, security issues, policy issues (e.g., spectrum policy reform by U.S., Canada and European Union), implementation technologies (e.g., software radio, middleware), economic considerations and standardization activities.

Key TCCN Activities

- **IEEE ComSoc Flagship Conference: IEEE ICC series**
 - ✓ **Selected Areas in Communications Symposium (ICC 2009, 2010)**
 - ✓ **Cognitive Radio and Networks Symposium (ICC 2011, 2012, 2013, etc.)**

- **IEEE ComSoc Flagship Conference: IEEE Globecom series**
 - ✓ **Selected Areas in Communications Symposium (Globecom 2008, 2009, 2010)**
 - ✓ **Cognitive Radio Networks Symposium (Globecom 2011, 2012, 2013, etc.)**

- **IEEE DySPAN series**



Announcement on the Selection of the IEEE TCCN Publication Award



The TCCN Publications Award Committee (see below) seeks nominations by March 1, 2012 for its annual Publications Award.

The recognition award is given to (upto) one individual or group per award cycle who are deemed to have made outstanding technical contributions to the Technical Committee on Cognitive Networks (TCCN) of IEEE Communications Society (ComSoc). The basis of judgement will be *archival, peer reviewed publications in ComSoc conferences and journals over any period prior to the award cycle*. While the award is intended to generally recognize a *set* of contributions to theory and practice of all aspects of TCCN that have withstood the test of time, the Awards committee may choose, at their discretion and based on nominations, to award it for a singular (Best Paper) achievement.



Announcement on the Selection of the IEEE TCCN Publication Award (cont.)



Nomination Process

All nominations must include a brief CV of the nominee, copies of supporting materials (publications in ComSoc journals and conferences) that are the basis for the nomination and an advocacy statement by the nominee (200 words) detailing the reasons for the nomination.

All nominees must be a member of IEEE ComSoc or any of ComSoc's sister societies in order to be eligible. All nominations must be sent to the TCCN Publications Award Committee Chair (in PDF format) by the closing date given in the solicitation email. *No late and no self nominations will be considered.* At least one nominator must be a member of IEEE ComSoc.

Publications Award Committee

R. Chandramouli, Stevens Institute of Technology

K. Challapalli, Philips Research

Preston Marshall, ISI, University of Southern California

Sumit Roy, Chair (roy@ee.washington.edu), University of Washington

Announcement on the Selection of the IEEE TCCN Publication Award (cont.)



IEEE Communications Society
Cognitive Networks Technical Committee (TCCN)
2011 Publication Award is presented to

Dr. Jon M. Peha

Carnegie Mellon University

“For his outstanding contributions to techno-economic analysis of
spectrum allocation policies”



IEEE Communications Society
Cognitive Networks Technical Committee (TCCN)
2012 Publication Award

is presented to

Dr. Vahid Tarokh

Harvard University

“For his outstanding contributions to new information theoretic models
and analysis of cognitive radio networks”



Discussion and Approval on the TCCN P&P (Policies and Procedures)



<http://www.comsoc.org/about/documents/pp/7>

IEEE Communications Society

Technical Committee on Cognitive Networks (TCCN)

Policies and Procedures (P&P)

(Version 1, to be re-approved at the TCCN meeting held in Ottawa, ICC2012)

Discussion and Approval on the TCCN P&P (Policies and Procedures)

1. Charter and Scope

The goal of Technical Committee on Cognitive Networks (TCCN) is to provide a platform for its members in particular, and the cognitive networking research, development, policy making and standardization community in general, to interact and exchange technical ideas to identify major challenges and also drive solutions in the development of cognitive networking technologies.

The technical issues addressed by the committee will include cognitive radio, spectrum agile/dynamic spectrum access networks, related issues from PHY to application layers, security issues, policy issues (e.g., spectrum policy reform by U.S., Canada, European Union and Asia-Pacific region countries), implementation technologies (e.g., software radio, middleware), economic considerations and standardization activities.

The committee sponsors and promotes technical publications, conferences, symposia, workshops, tutorials and other related activities in the areas of cognitive radio, cognitive networks and dynamic spectrum access. The committee also assumes proactive duty to nominate suitable candidates for the IEEE Communications Society (ComSoc) and IEEE awards, propose distinguished lecturer candidates, endorse deserving candidates for the election to IEEE Senior Member and Fellow grade, and make contributions to standards in an organized form.

Discussion and Approval on the TCCN P&P (Policies and Procedures)

2. Policies and Procedures

TCCN adheres to all policies specified by the IEEE Communications Society for Technical Committees (*IEEE Communications Society Policies and Procedures, Sec. 7.0 - Operating Procedures Template*).

2.1 Membership Requirements

Anybody can be a member of the Technical Committee on Cognitive Networks (TCCN). To become a member it is necessary to subscribe to the TCCN mailing list as specified on its website.

A member becomes an Active Member if he/she has attended (physically present or by teleconference) two or more of the prior five regularly scheduled TCCN meetings. The TCCN Secretary shall maintain an attendance list for each of such meetings. All TCCN meetings are open.

2.2 Definition of Elected and Appointed Officer Positions

The committee has three kinds of elected officers: Chair, Vice Chair, and Secretary. The term



Thank You !

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