IEEE ICC, 12th June 2014

IEEE Technical Committee on Cognitive Networks (TCCN) Meeting Agenda and Supporting Information

David Grace
IEEE TCCN Chair

Information for Teleconference Attendees

- ***Teleconference Attendance List:***
  https://www.surveymonkey.com/s/DBY7JLC

- **Connection by phone:**
  Australia International toll free : +61 1800108592
  Conference code: 1743327977
  Alternative local conference call numbers, see:
  https://www.intercallonline.com/listNumbersByCode.action?confCode=1743327977

  Selected presentations are online at:
  http://cms.comsoc.org/eprise/main/SiteGen/TC_CN/Content/Home/Meetings_and_Minutes/Meeting_ICC_2014.html

Agenda

1. **Welcome and Introduction**
2. **Approval of the Agenda**
3. **Approval of the TCCN meeting minutes (Globecom 2013)**
4. **Research group Software Defined and Virtualized Wireless Access**
5. **Reports and New Special Interest Groups**
   - Cognitive Radio for 5G, Cognitive Security
6. **Reports on**
   - Conferences (e.g. ICC 2014, Globecom 2014, ICC 2015, DySPAN 2014)
   - Publications (JSAC series issue, Transactions on Cognitive Communications and Networks etc)
   - Standard activities (IEEE DySPAN-SC/1900, TVWS, ITU-R, ETSI, ARIB etc)
7. **Review of TCCN Policies and Procedures**
8. **TCCN Officer Election procedures**
9. **Other new ideas and initiatives**
10. **Next TCCN Meeting**
11. **Any other business**

Introduction to TCCN

'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 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.

Cognitive networks are touted to drive the next generations of digital communications. This technical area is attracting a tremendous amount of interest from academia, university, industry and government. New IEEE standardization activities, FCC's spectrum policy reform, federally funded research programs (e.g., DARPA XG and NSF NeTS ProWiN) are some examples of major activities supporting R&D in cognitive networks.'

Joining TCCN

- **All are welcome – TCCN is open**

- **Email List (1451 members – June 2014)**
  - tccn@comsoc.org

- **Website**
  - http://cms.comsoc.org/eprise/main/SiteGen/TC_CN/Content/Home.html

- **Member**
  - Attend at least 1 meeting, or
  - Join the email list

- **Active (Voting) Members** (see Policy and Procedures for strict definition)
  - Attended 2 out of 5 of the last TCCN Meetings, and/or
  - Made a significant contribution to Cognitive Networks
  - Vote in elections, stand for an elected officer position

Agenda Contd

- **Research group Software Defined and Virtualized Wireless Access**
  - See separate presentation

Special Interest Groups

- **Aim is to promote important activities in TCCN**
- **SIGs formed mainly from the bottom up**
- **Regular calls for SIGs will be issued on tccn@comsoc.org**
- **Reports from Active SIGs**
  - New! Cognitive Radio for 5G
  - Security – K.P. (Suba) Subbalakshmi (Stevens) and Charles Clancy (Virgina Tech)

Reports on…

(a) Conferences (e.g. ICC 2014, Globecom 2014, ICC 2015, DySPAN 2014)

– ICC 2015 London
https://www.dropbox.com/s/pcci53dmleq93bk/ICC_LONDON_SHORT_VIDEO_v1.wmv

(b) Publications (JSAC series issue, Transactions on Cognitive Communications and Networks etc)

(c) Standards (IEEE DySPAN-SC/1900, TVWS, ITU-R, ETSI, ARIB etc)

Globecom 2014

When: *8.12.2014 – 12.12.2014*   Where: *Austin, TX*

Symposium/Track: Cognitive Radio Symposium
Co-chairs: Ahmed E. Kamal, Zhu Haojin, *Alberto Rabbachin*

Total Submissions: 131
Acceptance Rate (final/expected): 41%

#TPC members: *188*
Avg number of reviews/paper = *4.7*   Rebuttal process *N*

Keynote speech: *NA*

Review of TCCN Policies and Procedures

- **See:**
  - http://www.comsoc.org/files/About%20Comsoc/Documents/Policies%20and%20Procedures/Operating_templates/pdf/Cognitive-Networks-Charter-PP.pdf

TCCN Officer Election Procedures

- **Election of officers required by February 22nd 2015**
- **Proposed procedure**
  - TCCN meeting at Globecom 2014
    - All candidates to have announced they will run for election
    - Candidates given an opportunity to introduce themselves
    - Formation of Nomination and Elections Ctte as per PP
  - Election by 'Voting Members' – Electronic voting only
    - Tuesday 6 Jan Vote Opens
    - Friday 23 Jan Vote Closes
    - Monday 26 Jan Results Announced
  - New committee operates with handover period, formally taking over February 22nd 2015

Agenda Contd

- **New Ideas and Initiatives**

- **Next TCCN Meeting**
  - At Globecom 2014 in Austin, Texas, USA December 2014

- **Any Other Business**