



IEEE Globecom, 10th December 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/2HTZ582>

- **Selected presentations are online at:**
http://cms.comsoc.org/eprise/main/SiteGen/TC_CN/Content/Home/Meetings_and_Minutes/Meeting_GC_2014.html

- **Minutes of the previous meeting 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 (ICC 2014)**
- 4. Reports on Special Interest Groups (including Cognitive Radio for 5G, Cognitive Security)**
- 5. Reports on standard activities (IEEE DySPAN-SC/1900 etc)**
- 6. Reports on conferences (e.g. Globecom 2014, ICC 2015, DySPAN 2015)**
- 7. Reports on publications (JSAC series issue, Transactions on Cognitive Communications and Networks etc)**
- 8. Introduction to the New TCCN Elected Committee**
- 9. Next TCCN Meeting**
- 10. 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 (1409 members – December 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

Approval of the Agenda



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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**
 - Cognitive Radio for 5G - Eryk Dutkiewicz (Maquarie University)
 - Cognitive Security – K.P. (Suba) Subbalakshmi (Stevens)

Introduction to New TCCN Elected Committee



- **Chair**
 - Ying Chang Liang, Infocomm Research, Singapore
- **Vice-Chair Americas**
 - Octavia Dobre, Memorial University, Canada
- **Vice Chair Asia Pacific**
 - Jianwei Huang, The Chinese University of Hong Kong, China
- **Vice-Chair Europe/Africa**
 - R Venkatesha Prasad, Delft University of Technology, Netherlands
- **Candidates for Secretary**
 - Oliver Holland, Kings College London, UK

Agenda Contd



- **Next TCCN Meeting**
 - At ICC 2015, London, UK, June 2015

- **Any Other Business**