



IEEE ICC 2015, 10th June 2015

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

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Information for Teleconference Attendees

- **Selected presentations are online at:**

[http://cms.comsoc.org/eprise/main/SiteGen/TC_CN/Content/Home/Meetings and Minutes/Meeting ICC 2015.html](http://cms.comsoc.org/eprise/main/SiteGen/TC_CN/Content/Home/Meetings_and_Minutes/Meeting_ICC_2015.html)

- **Minutes of the previous meeting at:**

[http://cms.comsoc.org/SiteGen/Uploads/Public/Docs TC_CN/GC14/TCCN meeting minutes Final.pdf](http://cms.comsoc.org/SiteGen/Uploads/Public/Docs_TC_CN/GC14/TCCN_meeting_minutes_Final.pdf)

Agenda (and Approval Thereof)



- 1. Welcome and Introduction**
- 2. Approval of the Agenda**
- 3. Approval of the Globecom 2014 TCCN meeting minutes**
- 4. Reports on Special Interest Groups (including Cognitive Radio for 5G, Cognitive Security)**
- 5. Reports on standards activities (IEEE DySPAN-SC/1900, others?)**
- 6. Reports on conferences (DySPAN 2015, ICC 2015, others?)**
- 7. Reports on publications (Transactions on Cognitive Communications and Networks, TCCN Communications, etc.)**
- 8. Next TCCN Meeting**
- 9. 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 (1,409 members – June 2015)**
 - tccn@comsoc.org
- **Website**
 - http://cms.comsoc.org/eprise/main/SiteGen/TC_CN/Content/Home.html
- **Members**
 - Must attend at least 1 meeting, or
 - Join the email list
- **Active (Voting) Members (see Policy and Procedures for strict definition)**
 - Must attend 2 out of 5 of the last TCCN Meetings, and/or
 - Make a significant contribution to Cognitive Networks
 - Can vote in elections, and stand for an elected Officer position

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 – Markus Mueck (Intel), markus.dominik.mueck@intel.com
 - Cognitive Security – K.P. (Suba) Subbalakshmi (Stevens), ksubbala@stevens.edu