



IEEE GLOBECOM, December 2016

TCCN Newsletter

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**Vice-Chair and Chair-Elect, IEEE TCCN
Director: IEEE TCCN Newsletter**

Purpose



- **An electronic platform for TCCN members to exchange ideas**
 - Update on forward-looking research ideas
 - Update on new industry, standard, and policy initiatives
 - Promote top-quality publications
 - Report important news in the community
- **Available at <http://cn.committees.comsoc.org/communications/>**

First Issue



- **First Issue: December 2015**

- Director's Message
- SI on "Cognitive Radio for Heterogeneous Networks" (Editor: **Walid Saad**)
- SI on "TV White Space Communications and Networking" (Editor: **Yue Gao**)

- **Second Issue: September 2016**

- Director's Message
- A virtual interview series on "Research Highlights and Trends in Cognitive Networks" (Editor: **Lingjie Duan**)

Virtual Interview: Questions We Asked



- 1. Could you briefly introduce the most significant work that you have contributed to the cognitive networks research in the past three years?**
- 2. What would you say is the most unique and impressive aspect of this work?**
- 3. How did you come to those groundbreaking findings?**
- 4. What were the main challenges that you had to overcome?**
- 5. How does that have implications for the real world?**
- 6. Would you please describe the lessons that you learned to help the readers avoid pitfalls in their own work?**
- 7. Where will be your future research heading in the next two years? Would you please provide a few references in this direction?**

10 confirmed interviewees (1/2)



- **Jeffrey G. Andrews: University of Texas at Austin (IEEE Fellow)**
 - Topic: Spectrum licensing sharing for mmWave cellular systems
- **Randall Berry: Northwestern University (IEEE Fellow)**
 - Topic: Tiered spectrum sharing
- **Tom Hou: Virginia Tech (IEEE Fellow)**
 - Topic: Radio spectrum sharing through network cooperation
- **Cheng-Shang Chang: National Tsing Hua University (IEEE Fellow)**
 - Topic: Multichannel Rendezvous in Cognitive Radio Networks
- **Zhu Han: University of Houston (IEEE Fellow)**
 - Topic: Game theory in cognitive radio networks

10 confirmed interviewees (2/2)



- **Mihaela van de Schaar: UCLA (IEEE Fellow)**
 - Topic: Signal processing and machine learning for big data
- **Narayan B. Mandayam: Rutgers University (IEEE Fellow)**
 - Topic: Backhauling in TV white space
- **K.P. (Suba) Subbalakshmi: Stevens Institute of Technology, USA**
 - Topic: cognitive radio networking and spectrum-aware cloud offloading
- **Ranveer Chandra: Microsoft Research**
 - Topic: white space networking.

Ideas About Future Issues




- **Updates on Technology/Industry/Policy Advances**
 - Updates on new research ideas and latest industry standards and policy practices
- **Paper Recommendations**
 - Recommendation of recent top publications to the community
- **PhD Dissertation Recommendations**
 - Recommending recent top PhD dissertations to the community
- **Community News and Information**
 - Important and/or achievable news

Tentative Publication Schedule



- **2017: 1-2 issues**
- **2018: 1-2 issues**



Comments & Suggestions

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