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# **TCCN Newsletter**

**Jianwei Huang**

**The Chinese University of Hong Kong**

**Vice-Chair, IEEE TCCN  
Director, 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
- **This is not an IEEE Magazine or Journal**

# First Issue



- **First Issue: December 2015**
  - Director's Message
  - A special issue on "Cognitive Radio for Heterogeneous Networks"
  - A special issue on "TV White Space Communications and Networking"
- **Available at <http://cn.committees.comsoc.org/communications/>**

## CONTENTS

<b>Director's Message</b> .....	3
<b>Editorial: Cognitive Radio for Heterogeneous Networks</b> .....	4
<i>Guest Editor: Walid Saad, Virginia Tech, USA</i> .....	4
<b>Cognitive Heterogeneous Networks: Economic Provisioning for 5G</b> .....	6
<i>Simon Haykin (IEEE Fellow), McMaster University, Canada</i> .....	6
<i>Peyman Setoodeh, Shiraz University, Iran</i> .....	6
<b>The Virtualization of Wireless Networks</b> .....	10
<i>Luiz A. DaSilva, Trinity College Dublin, Ireland</i> .....	10
<b>A Software Defined (SDR/SDN) Framework for Heterogeneous Spectrum Sharing ..</b> 13	
<i>Narayan B. Mandayam (IEEE Fellow), Rutgers University, USA</i> .....	13
<i>Dipankar Raychaudhuri (IEEE Fellow), Rutgers University, USA</i> .....	13
<i>Ivan Seskar, Rutgers University, USA</i> .....	13
<b>Maximum Transmit Power and GAA Channel Assignments of <small>Go to page 13</small> 5 GHz</b>	
<b>Spectrum sharing Framework</b> .....	16
<i>Masoud Olfat, Federated Wireless Inc.</i> .....	16
<i>Jeffrey Reed, Federated Wireless Inc. and Virginia Tech</i> .....	16
<i>Kurt Schaubach, Federated Wireless Inc.</i> .....	16
<b>Efficient Spectrum Utilization in Ultra-Dense Heterogeneous Networks</b> .....	20
<i>Jialing Liu, Huawei Wireless Research and Standards, USA</i> .....	20
<i>Weimin Xiao, Huawei Wireless Research and Standards, USA</i> .....	20
<i>Anthony C. K. Soong (IEEE Fellow), Huawei Wireless Research and Standards, USA</i> .....	20
<b>Graph Compression Techniques for Next Generation Cognitive Networks</b> .....	24
<i>Marco Levorato (IEEE Member), University of California Irvine, USA</i> .....	24
<i>Urbashi Mitra (IEEE Fellow), USC, USA</i> .....	24
<i>Antonio Ortega (IEEE Fellow), USC, USA</i> .....	24
<b>Editorial: TV White Space Communications and Networking</b> .....	28
<i>Guest Editor: Yue Gao, Queen Mary University of London, UK</i> .....	28
<b>TV White Space Networking: A (U.S. Centric) Retrospective</b> .....	30
<i>Sumit Roy, U. Washington, Seattle, USA</i> .....	30
<b>White Space, White Space, Wherefore Art Thou White Space?</b> .....	33
<i>Oliver Holland, King's College London, UK</i> .....	33
<b>Economics of Database-Assisted TV White Space Networks</b> .....	37

# Second Issue

- **Second Issue: Q3 2016**
  - Director’s Message
  - A virtual interview series on “Research Highlights and Trends in Cognitive Networks”
  - News and updates from TCCN Community
- **Editor for Virtual Interview:**
  - Lingjie Duan, Singapore University of Technology and Design, Singapore



# Questions we ask interviewees



- 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, USA (IEEE Fellow)**
  - Topic: Spectrum licensing sharing for mmWave cellular systems
- **Randall Berry: Northwestern University, USA (IEEE Fellow)**
  - Topic: Tiered spectrum sharing
- **Ranveer Chandra: Microsoft Research, USA**
  - Topic: white space networking.
- **Cheng-Shang Chang: National Tsing Hua University, Taiwan (IEEE Fellow)**
  - Topic: Multichannel Rendezvous in Cognitive Radio Networks
- **Zhu Han: University of Houston, USA (IEE Fellow)**
  - Topic: Game theory in cognitive radio networks

# 10 confirmed interviewees (2/2)



- **Tom Hou: Virginia Tech, USA (IEEE Fellow)**
  - Topic: Radio spectrum sharing through network cooperation
- **Narayan B. Mandayam: Rutgers University, USA (IEEE Fellow)**
  - Topic: Backhauling in TV white space
- **Mihaela van de Schaar: UCLA, USA (IEEE Fellow)**
  - Topic: Signal processing and machine learning for big data
- **K.P. (Suba) Subbalakshmi: Stevens Institute of Technology, USA**
  - Topic: cognitive radio networking and spectrum-aware cloud offloading
- **Chengshan Xiao: Missouri University of Science and Technology, USA (IEEE Fellow)**
  - Topic: Secure Communications in Cognitive Radio Networks with Finite Alphabet Signaling



# Ideas About Future Issues

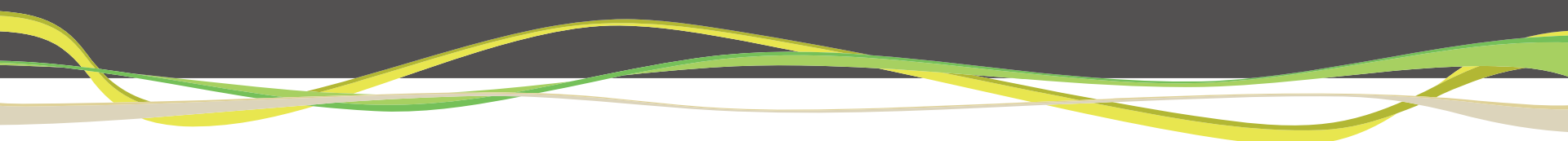


- **Updates on Technology/Industry/Policy Advances**
  - Updates on new research ideas and latest industry standards and policy practices
- **Paper Recommendations**
  - Recommendation of recent top publications to the community
- **PhD Dissertation Recommendations**
  - Recommending recent top PhD dissertations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

# Publication Schedule



- **2015: 1 issue**
- **2016: 1 issue**
- **2017: tentatively 2 issues**



# Comments & Suggestions

Please contact **Jianwei Huang**  
[jwhuang@ie.cuhk.edu.hk](mailto:jwhuang@ie.cuhk.edu.hk)