



IEEE ICC, June2015

Proposal of Establishing TCCN Communications

**Jianwei Huang
IEEE TCCN Vice-Chair**

Purpose



- **Encourage forward-looking research ideas**
- **Update on new industry, standard, and policy initiatives**
- **Promote top-quality publications**
- **Increase the visibility of community**

Inspirations

- IEEE Multimedia Communications Technical Committee E-Letter
- IEEE ComSoc Technology News

IEEE COMSOC MMTC E-Letter

MULTIMEDIA COMMUNICATIONS TECHNICAL COMMITTEE
IEEE COMMUNICATIONS SOCIETY
<http://www.comsoc.org/~mmc>

E-LETTER

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Will Densification be the Death of 5G?

CTN Issue: May 2015

A vast majority of the increased mobile data throughput we are always hearing about has been enabled by ever-increasing network densification, i.e. adding more base stations (BSs) and access points that have a wired backhaul connection [1]. This trend is set to continue for the next decade at least, primarily through the provisioning of small cells such as pico and femtocells. What if we ever reached a point where adding more infrastructure did not allow increased wireless network throughput? This would be comparable to the impending end of "Moore's Law"; a cataclysmic event having far-reaching consequences (i.e. beyond our own industry).

Contents (at Steady State)



- **Technology Advances Column**
 - Position papers with bold forward-looking ideas (2-page articles)
- **Industry and Policy Column**
 - Overview of latest industry standards and policy practices (2-page articles)
- **Editor's Selected Paper Recommendation**
 - Recommending recent top publications to the community (1-page summary)
- **Editor's Selected PhD Dissertation Recommendation**
 - Recommending recent top PhD dissertations to the community (1-page summary)
- **Community News and Information**
 - Important and/or achievable news, coordinated by TCCN Secretary

Publication Schedule



- **First issue**
 - Publication date: December 2015 (before GLOBECOM)
 - Preparation starts June 2015
- **Next step**
 - June, 2016
 - December, 2016
- **Steady state: Four times a year (2017 onward)**
 - March, June, September, December
- **Publicity**
 - TCCN website and email list
 - TCCN Social media channels (in the future)

Editorial Board (2015-2016)



- **Editor-in-Chief**

- Appointed by TCCN Chair
- Responsible for the overall direction and operation of the publication
- **Jianwei Huang (The Chinese University of Hong Kong)**

- **Technical Editors**

- Appointed by TCCN Communications EiC, based on consultations with TCCN Chair
- International experts in the field, guarding the quality of the publication
- Inaugural issue: **Yue Gao (Queen Mary University of London), Oliver Holland (King's College London), Walid Saad, (Virginal Tech)**
- 6-10 technical editors at steady state

- **Publication Editors**

- Appointed by TCCN Communications EiC, based on consultations with TCCN Chair
- Responsible for the final formatting, coordination, and delivery of the publication
- Inaugural issue: **Lingjie Duan (Singapore University of Technology and Design)**