

IEEE TRANSACTIONS ON  
**COGNITIVE COMMUNICATIONS  
AND NETWORKING**

A PUBLICATION OF  
THE IEEE COMMUNICATIONS SOCIETY  
THE IEEE SIGNAL PROCESSING SOCIETY  
THE IEEE COMPUTER SOCIETY



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# TCCN status report

Michele Zorzi, EiC

IEEE Publication Council Meeting, Dec. 10, 2018

# Status of TCCN

- TCCN getting to a mature stage, closing 4<sup>th</sup> year
- 15 issues published so far – closing the Dec 2018 issue (14 regular papers + 9 from ICC18)
- [www.comsoc.org/tccn](http://www.comsoc.org/tccn)
- TCCN listed in ESCI (Emerging Sources Citation Index) since Nov 2017, currently being monitored for SCI (expected Oct 2019)
- New EiC as of Jan 2019: Ying-Chang Liang

# Editorial Board

- <http://www.comsoc.org/tccn/editorial-board>
- Senior Advisors:
  - Joe Mitola and Simon Haykin
- 11 Technical editors currently active
- Many additional editors for special issues
- Working with YC Liang to renew the EB (most editors have been there from the beginning)

# Status of submissions

Status as of December 7 2018 (from Jan. 21, 2015):

	submitted papers	under review	awaiting revision	accepted	rejected	withdrawn	Eic reject	unsubmitted
<b>2015</b>	126	0	0	51	61	13	1	
<b>2016</b>	127	0	0	46	61	7	13	
<b>2017</b>	177	0	0	80	70	12	15	
<b>2018</b>	175	77	17	27	31	2	12	9
<b>TOT</b>	<b>605</b>	<b>77</b>	<b>17</b>	<b>204</b>	<b>223</b>	<b>34</b>	<b>41</b>	<b>9</b>

**Average time (days) from submission to first decision for all (original) papers**

79

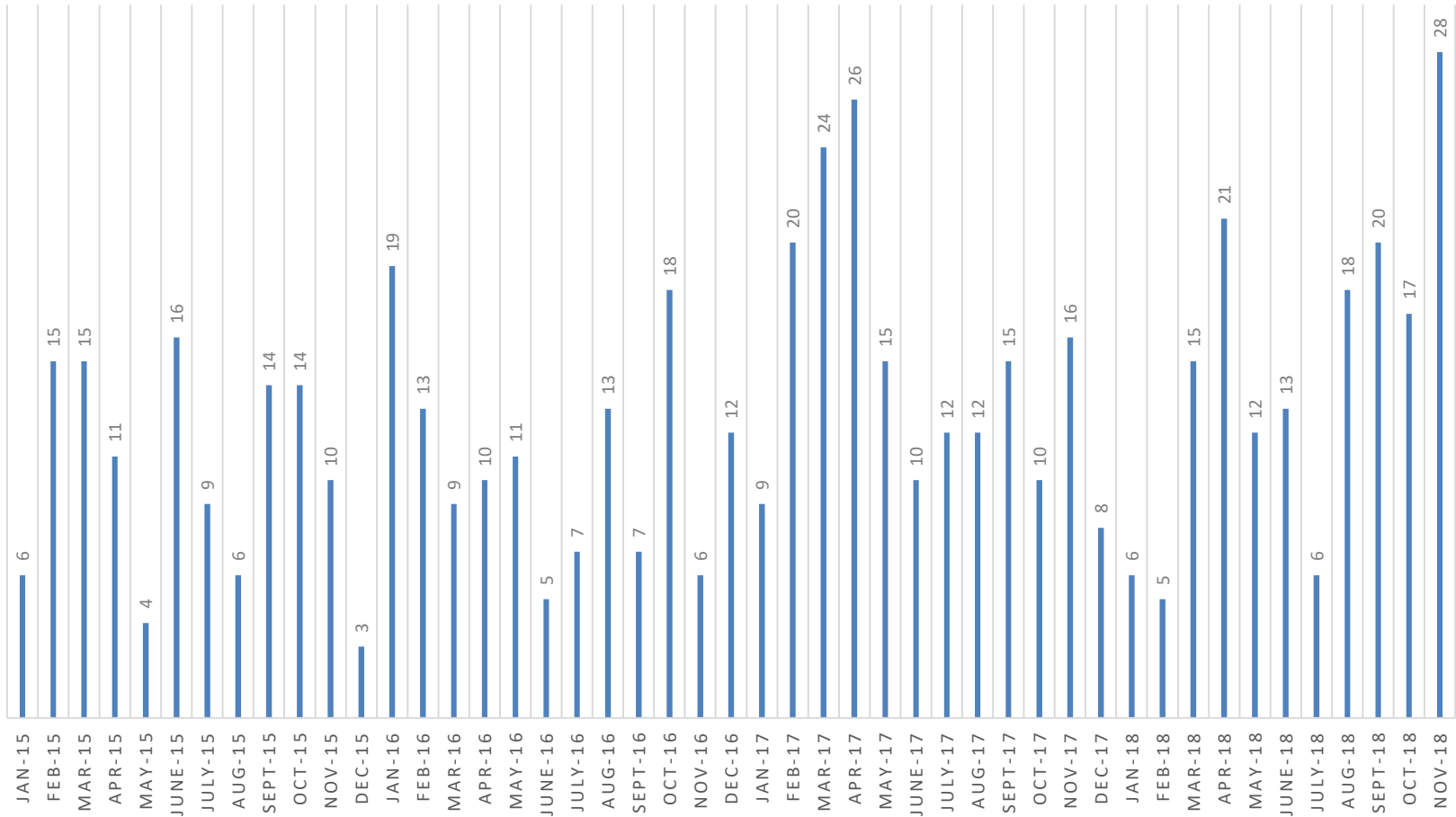
**Average time (days) from submission to final decision for accepted papers**

213 (~30 weeks, 7 months)

Acceptance rate ~ 40%

# Number of submissions per month

JANUARY 2015 – NOVEMBER 2018



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- Volume 1 (2015)
  - $9+8+8+8 = 33$  articles
  - $145+110+102+105 = 462$  pages
- Volume 2 (2016)
  - $8+8+8+8 = 32$  articles
  - $109+113+107+112 = 441$  pages
- Volume 3 (2017)
  - $9+11+(11+9)+(12+5) = 57$  articles
  - $122+144+296+238 = 800$  pages
- Volume 4, no. 1 (Mar 2018)
  - 12 articles, 161 pages
- Volume 4, no. 2 (Jun 2018)
  - $14+7(\text{GC18})$  articles, 271 pages
- Volume 4, no. 3 (Sep 2018)
  - 16 articles, 215 pages
- Volume 4, no. 4 (Dec 2018)
  - $14+9(\text{ICC18})$  articles, 295 pages

# More detailed status report

- Impact Factor and ISI listing
  - ESCI evaluation successfully completed Oct 2017
  - SCI evaluation scheduled for 4Q 2019
  - Scopus listing is ongoing (accepted Aug 2018)
- Industry participation in EB and papers is low
  - EiC/EB renewal an opportunity to work on this
- Expanding the scope, increasing # of submissions
  - More networking /machine learning content
  - Successful experiments with special sections/issues
- Number of subs/papers/pages per year has increased
  - ~125->~180 subs, ~33->57->72 papers, ~450->800->942 pages

# Publicity and paper solicitation

- GLOBECOM 2016
  - Cognitive Radio Networks symposium and targeted papers
  - Fast-track of papers, did not go well (very low response)
- CROWNCOM 2016
  - Sent e-mail to all authors, no measurable result
- GlobalSIP 2016
  - Lost to competing special issue of JSTSP
- DySPAN 2017
  - Excellent experience, 9 good papers published in September 2017
- CRN Symposium at ICC 2017
  - 5 papers published in Dec 2017
- CRN Symposium at GLOBECOM 2017
  - 7 papers published in June 2018
- ICC 2018, DySPAN 2018, GLOBECOM 2018, ...
  - association with TCCN now routinely mentioned in the CFP



# Special issues 2018/2019

- Selected papers from the CRN Symposium at ICC 2018
  - Wrapping up a special section with 9 papers, being published in Dec 2018
- Selected papers from the CRN Symposium at GLOBECOM 2018
  - 7 submitted, 3 more expected, target publication date September 2019
- Selected papers from DySPAN 2018
  - 15 papers submitted, target publication date June 2019
  
- Energy Harvesting in CRN
  - 20 papers submitted, target publication date June 2019
- Coexisting Radio and Optical Wireless Deployments (CROWD)
  - Current submission deadline December 15, target publication date Sept/Dec 2019
- Deep Reinforcement Learning for Future Wireless Communication Networks
  - Current submission deadline March 15, target publication date Dec 2019