

State of the Transactions

Report to the Board of Governors Meeting

February 2019

Flow of submissions

The Transactions publishes **500-600 papers** a year (55% acceptance)

At which point is the paper published?

Posting to IEEEXplore EarlyAccess + DoI = Publication

In steady-state we have about 4 full issues waiting to be allocated to a printed issue (post-galley). Most papers appear in print 5-6 months after acceptance.

Newsletter Column (September 2018) informing the readers of the complete editorial handling cycle of a submission

Impact factor statistics

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017
IF	2.357	2.725	3.009	2.621	2.65	2.326	1.737	2.679	2.187

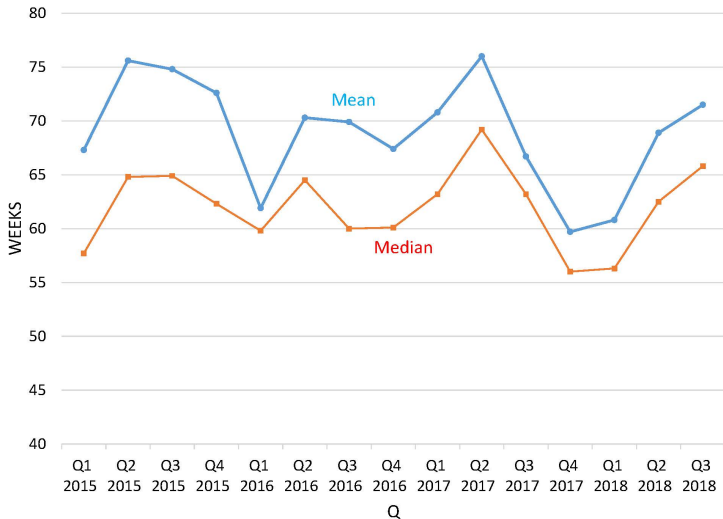
What is IF?

$$IF_y = \frac{\text{Citations}_{y-1} + \text{Citations}_{y-2}}{\text{Papers}_{y-1} + \text{Papers}_{y-2}}$$

What we can do:

Reference published papers in the Transactions rather than their arXiv versions; particularly important for ISIT papers

Submission to Publication



Update from an Ex

Status update from Ex-EiC Prakash Narayan: Invited (+ reviewed) cross-cutting articles drawing in emerging ideas from IT and complementary fields

- Four leading articles in play
 - † Generating correlated randomness interactively in distributed settings (CS and IT, *in revision after review*; expected publication in 2019 if accepted)
 - † Deep neural network approximation theory (ML and SP and IT, *in review*; expected publication in 2019 if accepted)
 - † Actions and real-time constraints in communication, control and scheduling (Cyberphysical Systems and IT, *imminent submission by deadline of February 15, 2019*; expected publication in 2019 if accepted)
 - † Molecular transduction and combinatorial encoding in the early olfactory and visual systems (Biological Sensory Systems and SP and IT, *imminent submission by deadline of March 15, 2019*)
- Authors' names withheld (except from EiC and EE) since an invited submission can be rejected after unfavorable reviews

Associate Editor Candidates

NAME	AFFILIATION	EDITORIAL AREA
1. Fady Alajaji	Queen's U. Kingston, ON	Shannon Theory
2. Mark Davenport	Georgia Tech	Signal Processing
3. Lara Dolecek	UCLA	Coding Techniques
4. Serge Fehr	CWI/U. Leiden, Netherlands	Cryptography
5. Elisabeth Gassiat	U. Paris-Sud, Orsay, France	Probability and Statistics
6. Sudhir Ghorpade	IIT Bombay, Mumbai, India	Coding Theory
7. Oliver Johnson	U. Bristol, UK	Probability and Statistics
8. Shachar Lovett	UCSD	Complexity
9. Chandra Murthy	IISc Bangalore, India	Communications
10. Sujay Sanghavi	U. Texas, Austin	Machine Learning
11. Aarti Singh	Carnegie Mellon	Machine Learning
12. Alexander Stolyar	UIUC	Communication Networks

Total count: About 50-53 AEs

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At a Glance

- Journal: IEEE Access
- Format: Open Access
- Frequency: Continuous
- Submission to publication: 4-6 weeks (typical)
- Topics: All topics in IEEE
- Model: Binary Peer Review
- Impact factor: 3.557
- Article processing charge: US \$1,750



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Our response: Wait and see (also recommended by IEEE)