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 IEEEExplore 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

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<tbody>
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<td>3.009</td>
<td>2.621</td>
<td>2.65</td>
<td>2.326</td>
<td>1.737</td>
<td>2.679</td>
<td>2.187</td>
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What is IF?

\[ \text{IF}_y = \frac{\text{Citations}_{y-1} + \text{Citations}_{y-2}}{\text{Papers}_{y-1} + \text{Papers}_{y-2}} \]

What we can do:

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

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

**Total count:** About 50-53 AEs
Invitation to IEEE Access

The Rapid Peer Review Advantage

Receive an accept/reject decision in 4 weeks

On average, the IEEE Access binary peer review process takes 4 weeks from submission to an accept/reject decision notification. Submission to publication time typically takes 4 to 6 weeks, depending on how long it takes the authors to submit final files after they receive the accept/reject notification.

What is a binary peer review?

Binary peer review combines the rigor of peer review with the speed of open access publishing. Authors will receive an accept or reject decision after the article has completed peer review. If the article is rejected for publication, the reasons will be explained to the author. If the article is accepted, authors are able to make minor edits to their articles based on reviewers’ comments before publication.

A multidisciplinary open access journal that’s worthy of IEEE

To ensure all articles meet the trusted and respected high standards of IEEE publications, they undergo a rigorous peer review process to assess the originality and technical correctness of the article. The acceptance rate for IEEE Access is similar to traditional IEEE journals.

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)