

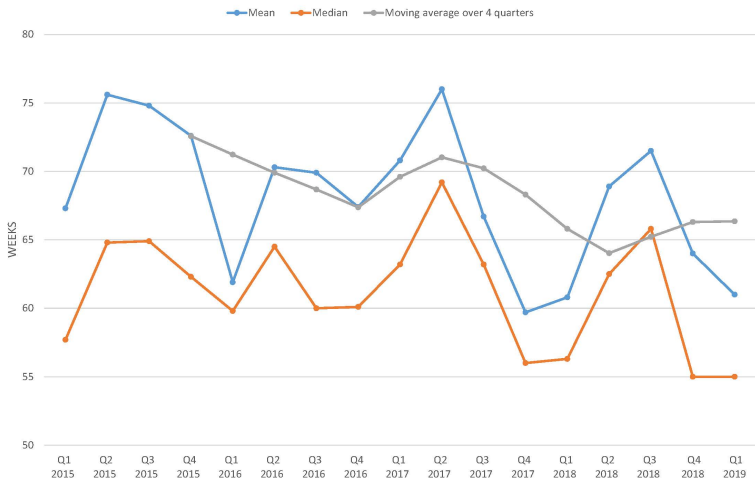
State of the Transactions
Report to the Board of Governors

July 7, 2019

Outline

- Submission to publication time
 - Bottlenecks and initiatives
- News from IEEE PoE: Open Access
- Initiatives: Special Issue; Invited papers
- New candidates for Editorial Board positions
- Concluding remarks

Submission to publication



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- Automatic reminders from Scholar One

Impact factor statistics

| Year | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| IF | 2.357 | 2.725 | 3.009 | 2.621 | 2.65 | 2.326 | 1.737 | 2.679 | 2.187 | 3.215 |

IEEE and Open Access

(Impressions from the IEEE Panel of Editors, Chicago, April 5, 2019)

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“ **We must be ready for this changing environment**”
- “No single option is assumed to be adopted across all societies”

(Karen L. Hawkins, Chief Marketing Officer)

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“The goal is to have an **IEEE preprint server** launched by Q4 2019 that will become another part of our future publishing strategy” (Renny Guida, Director, IEEE Product Management)

“Working with Publications and PSPB on the prototype IEEE preprint server to serve members/authors from life-cycle view of R&D” (Peter Luh, TAB Periodicals Committee Chair)

Note: The server will be run by IEEE and tied to the publication flow

- Actively promoting OA
- Addressing all stages of research beyond publishing

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Multiple questions regarding the funding

Grand Vision

Elsevier Strategy across the Research Workflow

Acquisitions and Products for every Researcher Task – not just Publication

- ▶ Scopus
- ▶ ScienceDirect
- ▶ Mendeley
- ▶ Hivebench
- ▶ SSRN
- ▶ SciVal
- ▶ bepress
- ▶ Knovel
- ▶ EiVillage
- ▶ Pure
- ▶ Newsflo

| | | | | |
|-------------------|--------------------|-------------|------------------------|-------------------------|
| Current Awareness | Research Design | Funding | Research Collaboration | Lab Safety & Management |
| Experiment Design | Data Collection | Analysis | Writing | Sharing |
| Submission | Review & Selection | Publication | Showcasing | Assessment |

IEEE

Special Issue

Dedicated to the scientific legacy of **Vladimir Levenshtein**

[\[PDF\] Binary codes capable of correcting deletions, insertions, and reversals](#)

[VI Levenshtein - Soviet physics doklady, 1966 - nymity.ch](#)

Investigations of transmission of binary information usually consider a channel model in which failures of the type 0-1 and 1-0 (which we will call reversals) are admitted. In the present paper (as in [1]) we investigate a channel model in which it is also possible to have ...

☆ 99 Cited by 10500 Related articles All 7 versions

(Obituary in IEEE Newsletter, Dec. 2018)

From Deletion Correction to Graph Reconstruction

This special issue of the IEEE Transactions on Information Theory is devoted to the memory of Vladimir I. Levenshtein who made seminal contributions to many fields of coding theory and combinatorics. Topics of interest include, but are not limited to

- Algebraic codes
- Codes in the Cayley, Kendall tau, and Ulam distance
- Combinatorial designs
- Indel Channels: Capacity Bounds, Code Designs, Applications
- Interactive communication protocols
- Sequence alignment algorithms
- Topics in sequence design and analysis
- Trace and graph reconstruction

Call for Papers

IEEE TRANSACTIONS ON INFORMATION THEORY: SPECIAL ISSUE DEDICATED TO THE
MEMORY OF VLADIMIR I. LEVENSHEIN

O. Milenkovic, UIUC
Guest Editor in Chief

Guest Associate Editors

A. Barg, University of Maryland

L. Dolecek, UCLA

R. Gabrys, UCSD

G. O. H. Katona, Rényi Institute, Budapest

J. Körner, Sapienza Università di Roma

A. McGregor, UMass Amherst

S. Mesnager, University of Paris

G. Zémor, University of Bordeaux

A small number of invited surveys plus contributed papers (by Oct. 1, 2019)

Invited papers

- Cross-cutting, interdisciplinary, focused on new applications of IT
- Initiated by *Prakash Narayan*
- 5 papers currently in development
 - Interactive randomness generation
 - Deep neural network approximation theory
 - Actions and real-time constraints in communication, control and scheduling
 - Biological Sensory Systems
 - Coding theory and Data science

Candidates for Editorial Board Positions

- **Executive Editor:**

Multi-stage procedure led by the N&A Committee (open call for nominations)

Proposed candidate: Announced by the N&A Committee

- **Associate Editors**

| NAME | AFFILIATION | EDITORIAL AREA |
|-----------------------------------|------------------------------|----------------------|
| 1. Stéphane Boucheron | Paris-Diderot (U. Paris VII) | Statistical Learning |
| 2. Mari Kobayashi | Gif-sur-Yvette/TU München | Communications |
| 3. Mohammad Ali Maddah-Ali | Nokia Bell Labs | Communications |

Concluding remarks

- The Transactions remains a high-quality, highly respected journal
- High quality is supported by dedicated AEs and fantastic IEEE staff (Lisa Jess, Megan Hernandez)