IEEE Transactions on Information Theory

EiC REPORT

Prakash Narayan

IT Society Board of Governors Meeting
ITA 2018 – February 11, 2018
Editor-in-Chief and Executive Editor

- **EiC:** P. Narayan (Jan. 1, 2017 – June 30, 2018)
  → A. Barg (July 1, 2018 – Dec. 31, 2019)

- **EE:** A. Barg (Jan. 1, 2017 – June 30, 2018)
  → Who I.S. the new EE? (July 1, 2018 – Dec. 31, 2019)

New EE is selected by N&A Committee in consultation with outgoing-EE/incoming-EiC and outgoing-EiC.
A Few T-IT Statistics

- Papers Submitted
- Sub-to-ePub (Months)


- Papers Submitted:
  - 1998: 102 papers
  - 2000: 15 papers
  - 2002: 57 papers
  - 2004: 1108 papers
  - 2006: 100 papers
  - 2008: 20 papers
  - 2010: 1993 papers
  - 2012: 15 papers
  - 2014: 993 papers
  - 2016: 107 papers
  - 2018: 17 papers

- Sub-to-ePub (Months):
  - 1998: 15.4 months
  - 2000: 20.7 months
  - 2002: 19.9 months
  - 2004: 17.7 months
  - 2006: 17.2 months
  - 2008: 15.6 months
  - 2010: 15 months
  - 2012: 17.7 months
  - 2014: 17.2 months
  - 2016: 15.6 months
  - 2018: 15.4 months
More T-IT Statistics

2016
- Total no. of T-IT pages budgeted = 7,500
- Total no. of pages published, including covers = 7,628
- Total no. of articles = 477

2017
- Total no. of T-IT pages budgeted = 7,500
- Total no. of pages published = 7,904
- Total no. of articles = 464
- BoG Officers granted EiC request for 400 additional pages – thank you.

2018
- Total no. of T-IT pages budgeted = 7,950
- 13 issues including Solomon W. Golomb Special Issue
- EiC, like Oliver Twist, will cometh to BoG Officers asking for more ...
Solomon W. Golomb Special Issue

*Shift Register Sequences, Codes and Cryptography: in Memory of Solomon W. Golomb,*
Guest Editors: Guang Gong, Tor Helleseth and P. Vijay Kumar

- Launched by EiC Frank Kschischang
- To appear as T-IT, April 2018, Part II
- 32 reviewed articles on sequences, codes, cryptography, ...
- Plus four special features:
  - S. Golomb and B. Golomb: *A Career in Engineering*
  - J. Buhler, P. Cuff, A. Hales, and R. Strong: *Puzzles in Memory of Solomon Golomb*
  - G. Gong, T. Helleseth and P. V. Kumar: *Solomon W. Golomb: Mathematician, Engineer and Pioneer*

Previous Special Issue: *Facets of Coding Theory, from Algorithms to Networks, Dedicated to the Scientific Legacy of Ralf Koetter, T-IT, February 2011*
T-IT Recent Initiatives

- Invited (+ reviewed), cross-cutting articles drawing in ideas from IT and emerging developments in complementary fields
  - Aim: Publish 3 to 4 leading articles per year by teams of authors
  - “Progress” to date:
    † Generating correlated randomness interactively in distributed settings (CS-IT, in review)
    † Coding theory, physics and CS (imminent; invited by Frank Kschischang)
    † Action-dependent sequential decision-making and communication (Cyberphysical Systems-IT, tbs May-June 2018)
    † Deep neural networks and rate distortion theory (ML-SP-IT, tbs June 2018)

- T-IT ToC delivered to ITSoc members’ fingertips (thanks to Anand Sarwate and Rudi Urbanke)

We shall see …
## Editorial Board as of January 2018

### IEEE TRANSACTIONS ON INFORMATION THEORY

**Prakash Narayan**, Editor-in-Chief  
**Alexander Barg**, Executive Editor

### Executive Editorial Board

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51 AEs in 17 associate editorial areas  
(Down from 61 AEs in June 2017)
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Thank you!
The BoG is requested to consider a motion to approve the following appointments to the Editorial Board of the IEEE Transactions on Information Theory:

- Bikash Kumar Dey    Coding Techniques
- Maxim Raginsky    Probability and Statistics

Resumes are provided in a separate file.