

IEEE BITS j The Information Theory Magazine

Special Issue on Data Storage

Call for Papers

The remarkable evolution of data storage devices and systems during the past 40 years has enabled some of the defining technologies of our information-driven era –from smartphones and high-performance PCs to enterprise computing systems and cloud data services.

Many fields of science and engineering have contributed to the exponential progress in computer memory and storage –physics, materials science, electronic circuits, computer

Topics of interest include, but are not limited to, the following:

- Information-theoretic models and analysis of new storage channels and systems.
- Coding techniques for novel storage technologies and devices.
- System coding schemes for storage caches, arrays, and networks.
- Information-theoretic aspects of emerging storage applications.

BITS Submission Instructions

We will follow the BITS two-stage submission process outlined below and described in BITS Information for Authors at www.itsoc.org/bits/information-authors.

White Paper: Prospective authors should submit a white paper (limited to three pages single column 11-point font size) containing manuscript title, motivation and significance, outline, representative references, and the author list with contact information and short bios. Full articles will be invited based on the review of white papers.

Full Articles: The full article must be of tutorial/overview/survey nature, accessible to a broad audience, and have significant relevance to the scope of the Special Issue. The full article would have up to 12 double-column pages including references, 11-point font size, at least one figure (to be hosted on the website), up to 30 references, at least 1.25" margin on the left and right sides, and 1" margin from top and bottom. The articles should not have been published or be under review elsewhere.

Relevant Dates

White paper submission: 1 October 2022

Manuscript invitation: 20 October 2022

Manuscript submission: 20 December 2022

Manuscript reviews: 20 January 2023

Manuscript final version: 20 February 2023

Special Issue publication: June 2023

Special Issue Editors

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