

# *IEEE Journal on Selected Areas in Information Theory*

## *Special Issue on*

### **Beyond Errors and Erasures: Coding for Data Management and Delivery in Networks**

The focus of this special issue is on the applications of coding to the broad area of networking for efficient exploitation and delivery of data. Various coding techniques have been devised to tackle erasures and achieve fundamental limits of compression to recover a message with a fidelity criterion. Motivated by the research in this direction and a wide variety of applications at the intersection of distributed systems and networking, this special issue will focus on key aspects ranging from employment of coding for enhancing the efficiency of networking, protocols, computation and delivery in distributed systems, to maintaining consistency in updates and improving accessibility in distributed storage systems, as well as providing desired performance tradeoffs in terms of efficiency, delay and atomicity.

**Topics:** Authors are encouraged to submit their work on the topics including, but not limited to:

Networking coding for delay and robustness  
Coding in protocols  
Multipath and multihop coding, recoding  
Coding for streaming  
Intersection of coding and queueing, queueing analysis of coded delivery  
Distributed coding for content access, in caches and the edge  
Coding for distributed and parallel systems  
Coding for efficient updates

### **Important Dates:**

Manuscript Due: **May 15, 2021 (extended)**

Final to Publisher: Nov. 5, 2021

Acceptance Notification: Oct. 15, 2021

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### **Senior Editor:**

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**Submission Guidelines:** A summary of key guidelines for submission has been provided by the IEEE Journal on Special Areas in Information Theory. Prospective authors are encouraged to refer to the [Author Information](#) in the special issue webpage.