

# IEEE Journal on Selected Areas in Information Theory

## Special Issue on Coded Computing

The intersection of information theory and computing has been a fertile ground for novel, relevant intellectual problems. Recently, coding-theoretic techniques have been designed to improve performance metrics in distributed computing systems. This has generated a significant amount of research that has produced novel fundamental limits, code designs, and practical implementations. The set of ideas leveraged by this new line of research is collectively referred to as *coded computing*. This special issue will focus on coded computing, including aspects such as tradeoffs between reliability, latency, privacy, and security. Specific topics of interest include:

### Topics:

Coded distributed computing

Secure and private coded computing

Coded elastic computing

Coding for verifiable computing

Coded edge computing

Hierarchical coded computing

Compression for distributed computing

Applications (e.g., machine learning,  
blockchain systems, etc)

### Important dates:

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### Submission Guidelines:

Submitted papers should be of sufficient length and detail for review by experts in the field. Prospective authors must follow the *IEEE Journal on Selected Areas in Information Theory* manuscript submission guidelines in JSAIT Author Information webpage. All papers should be submitted through <https://mc.manuscriptcentral.com/jsait-ieee>

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