

Call for Paper in IEEE CICS 2018 Special Session
The 2018 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2018)

Session Title: Computational Intelligence for Digital Data Hiding

Aim:The penetration of the digital content in human life is an continuously increasing. Dependence on digital technology necessitates need for data hiding techniques like digital watermarking and steganography. Many emerging smart applications are using such approaches for privacy protection, copy right protection, and secret communication. A digital data hiding problem can be seen as an optimisation problem due to complementary nature of general requirements of perceptual transparency, capacity, robustness and security. The goal of data hiding technique is to find optimal performance depending on application by balancing general requirements. Advances in computational intelligence can be exploited to improve performance of the data hiding technique.

Scope and Topics:This session will cover state-of-the-art research challenges, design and implementation strategies for a secure and scalable data hiding techniques. The session will provide an ideal forum to discuss original research ideas using computational intelligence for solving data hiding challenge. Papers are solicited in, but not limited to, the following topics:

- Authentication framework
- Combining encryption, watermarking for privacy protection and authentication
- Copyright protection
- Deep learning for digital data hiding
- Theoretic studies or stochastic
- Real time or online data hiding.
- Reversible data hiding techniques
- Secure data hiding techniques
- Securing social media data
- Steganography and Steganalysis using computational intelligence
- Visual cryptography and secret sharing

Paper Submission Deadline: July 2018

Notification of Acceptance: September 2018

Final Paper Submission Deadline:September 2018

Paper Submission: <http://ieee-ssci2018.org/submission.html>

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