

# CALL FOR PAPERS

## Workshop on: Chaos-based Data Protection; Data Security and Hiding in Multimedia Communications

### CDP-DSHMC 2019

will be held in conjunction with

The 14th International Conference for Internet Technology and Secured Transactions (ICITST-2019)

December 9-11, 2019, London, UK

[www.icitst.org](http://www.icitst.org)

Security and privacy are important issues in any society, especially in the digital society. In any public communication network, such as satellite, mobile-phone, and the Internet, it is almost impossible to prevent unauthorized people from eavesdropping. To make use of the already existed public communication networks and to maintain the secrecy and privacy, cryptographic techniques are applied. In particular, chaos-based information hiding and security have been widely used in Multimedia Communications (texts, images, videos, speech signal). The objective of this special session is to address the range of problems related to the security of information in Multimedia communications and to bring together researchers, practitioners and industrials interested by such questions. We will welcome papers both from theoretical and practical aspects. Prospective authors are invited to submit original, previously unpublished work, reporting on novel and significant research contributions, on-going research projects, experimental results and recent developments related to, but not limited, the following topics:

- Chaos-based Cryptography
- Chaos-based Data Hiding and Security
- Personal Cryptographic Security.
- Cryptography
- Block Ciphers
- Stream Ciphers
- Data protection
- Pseudo chaotic number generation
- Pseudo random number generation
- Random number generation
- Steganography
- Watermarking
- Security methods for communications
- Data Integrity
- Database Security and Privacy
- E-business Security
- Iteration Theory
- Identification, Authentication and Non-repudiation
- Intellectual Property Protection
- Intrusion Detection & Prevention
- Lightweight cryptography for green computing
- Energy consumption of systems of communications
- Protocols for security
- Cryptanalysis
- Side Channel Attack

- Fault Injection Attack
- Peer-to-Peer Security
- Protection in video
- Personal Data Protection for Information Systems
- Physical layer security for communications
- Wireless Network Security (Internet, WSNs, UMTS, WiFi, WiMAX, WiMedia and others)
- Security algorithms and applications
- Sensor and Mobile Ad Hoc Network Security
- Security and Privacy in Mobile Systems
- Service and Systems Design and QoS Network Security
- Security Information Systems Architecture and Design and Security Patterns
- Security and Privacy in Location-based Services
- Secure Cloud Computing
- Security and Privacy in Complex Systems
- Security and Privacy in Social Networks
- Security and privacy in vehicular networks
- Security and Privacy in Web Services
- Security in Distributed Systems
- Security Verification and Validation
- Software Security
- Surveys
- Standardization
- ...

### Important Dates

See <https://icitst.org/important-dates/>

Submitted papers for the CDP-DSHMC 2019: should not exceed six pages and must follow the paper format specified by the ICITST-2019 guidelines.

### Important:

**When you submit your paper, please specify that: we want to submit this paper to Workshop on: Chaos-based Data Protection and Data Security and Hiding in Multimedia Communications and also send a copy to the Workshop Organizers.**

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