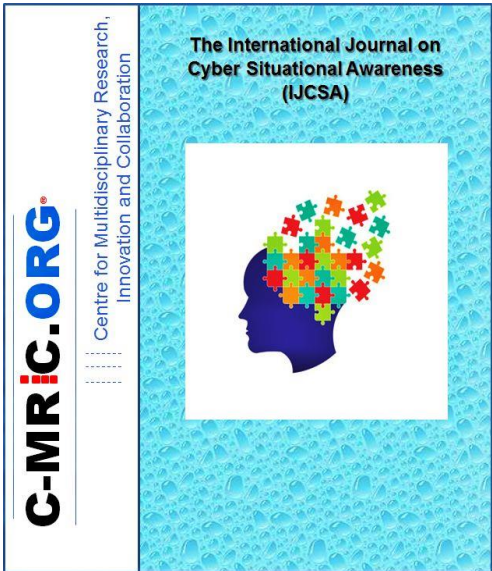


Submitting Papers to the International Journal on Cyber Situational Awareness (IJCSA)

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The Editor-in-Chief of the **International Journal on Cyber Situational Awareness (IJCSA)** would like to invite you to consider submitting a manuscript for inclusion in this scholarly and innovative journal. The following describes the mission, the coverage, and the guidelines for submission to IJCSA.

Overall Mission

The **International Journal on Cyber Situational Awareness (IJCSA)** is a comprehensive reference journal, dedicated to disseminating the most innovative, systematic, topical and emerging theory, methods and applications on Situational Awareness (SA) across Cyber Systems, Cyber Security, Cyber Physical Systems, Computer Network Defence, Enterprise Internet of Things (EIoT), Security Analytics and Intelligence to students, scholars, and academia, as well as industry practitioners, engineers and professionals.

Coverage

Recommended topics include, but are not limited to, the following:

Situational Awareness for Computer Networks Defense

- Computer Network Defense
- Cyber Situation Awareness
- Correlation & Automation

Collaborative Situation Awareness for Decision Making

- Collaborative Defense Approach
- Situation Assessment & Decision Making

Defense Strategy for the Enhancement of Situational Awareness

- Risk Management, Governance and Compliance
- Trust, Privacy and Anonymity Issues

- Digital Forensic Information Analysis
- Enterprise Information Security Policies, Standards and Procedures
- Risks posed by Wireless Networks, including through the use of Mobile Computing, BYOD, Wearable in CND environment

Cyber Situational Awareness Tools & Techniques

- Fuzzy Logic
- Rough Set
- Artificial Neural Networks
- Artificial Intelligence
- Genetic Algorithm
- Evidence Theory (DST)
- Bayesian Networks & Set Theory
- Big Data Analytics
- Game Theory
- Graph Theory

Network Situational Awareness

- Cyber Attack Scenarios
- Situation-Aware and Context-Aware Network Applications
- CERTs and CSIRTs
- Security Event and Information Management
- Application Security, Audits and Penetration Testing

Human Factor Cognitive

- Workload
- Perception
- Stress
- Knowledge
- Training and Expertise
- Risk Assessment and Decision Making
- Forecasting and Prediction
- Operator SA & Team SA

National and Critical Infrastructure Security Issues

- Information Security
- Cyber Security
- Database Security
- Application Security
- Law Enforcement and Surveillance
- Border Protection and Controls
- Cyber Warfare and Counter Terrorism

Situation Awareness in Military Operations

- Military Doctrinal in Situation Awareness
- C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance)
- Computer Network Operations
- Computer Network Defense
- Mission Awareness, Command and Control

Analysis of Large-Scale Internet Traffic

- Attack Graphs
- Advanced Security Incident Analysis
- Sensor Correlation and Cross-Correlation
- Implementing Situational Awareness Systems
- Information Security Metrics and Measurements

Web Traffic Characterisation

- Intrusion Detection Systems
- Traffic Characterisation Techniques
- Web Analytics
- Security Incident Response

Cyber Situational Awareness Frameworks

- Proactive Defense Strategies
- Instance-Based Learning
- Adaptive Neural Logic

- Human-Assisted Decision Control
- Human in the Loop
- Automated Self-Responder

Fusion Centres

- Tools for Metric Optimisation
- Visualisation and Digital Analytics
- Data Mining
- Filtration, Selection, and Risk-Based Prioritisation
- Metrics for Evaluation and Assessment

Situational Awareness Applications

- Situational Awareness in C4ISR
- Situational Awareness in Cyber Command and Control Centres
- Situational Awareness in Intrusion Defense
- Situational Awareness in Cyber Physical Systems (CPS)
- Situational Awareness for Internet of Things (IoT), Enterprise Internet of Things (EIoT)
- Open Source Applications

Designing Cyber Situational Awareness Solutions and Services

- Functional Requirements for Situation-aware services
- Non-Functional Requirements for Situation-aware Services and solutions
- Interface Design
- Interoperability
- Dynamism
- Complexity
- Performance
- Automation
- Realtime Processing

Usefulness of Multisensor Data Fusion

- Information Data Fusion
- Sensor Fusion for Security Incident Analysis
- Security Incident Analysis
- Data Association & Correlation
- Security Information Visualisation
- Data Analytics
- Security Monitoring

Situational Awareness Training

- Research and development in Situational Awareness
- Simulation and Testbeds in Cyber Situation Awareness
- Experimentation & Instrumentation
- Modelling
- Knowledge-base
- Theoretical Underpinnings in Situation Awareness

Submission

Prospective authors should note that only original and previously unpublished articles will be considered. Interested authors must consult the journal's guidelines for manuscript submissions, prior to submissions. Paper submission guidelines can be found on the [link](#).

Paper Reviews

All articles are subject to at least three blind-peer reviews by the Editorial Review Board of the journal, and domain experts may be invited to review an article. Final decision with regards to acceptance, revision or rejection of an article will be based on the collated and collective review feedbacks by the reviewers. All submissions must be submitted electronically via online submission.

We are now accepting papers for the IJCSA journal. Papers can be submitted online using the EasyChair portal. Click [here](#) to logon.

All submissions and enquiries should be directed to the attention of:

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Editor-in-Chief

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