

ICICC-2020
**International Conference on Innovative Computing and
Communication**
Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India
On 21-23rd Feb 2020.

***** **CALL FOR PAPERS** *****

SPECIAL SESSION ON

Artificial Intelligence and Machine Learning for Defense Applications (AIMLDA)

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

TBD

SESSION DESCRIPTION:

Most of the military applications are based on multi-modal real-time high volume distributed data sources which make the problem of analyzing or classifying the data more complex in nature. This in turn leads us to evaluate new mathematical approaches to solve the research problems in case of defence applications. Many AI challenges like lack of adequate samples for classification tasks, integrating rarely observed objects, adversarial behavior etc. have not been adequately addressed in case of Military applications.

This special session explores the potential benefits of ML (machine learning)/DL (Deep Learning)/AI (artificial intelligence) methods and systems for various military applications to solve the existing challenges. The session also aids the collaborations and formation of communities for studying effective application of Deep Learning Models for military applications.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- Machine learning and Deep learning for Video Surveillance
- Object/Target/Person Detection/Tracking, Human activity Tracking/Detection/Recognition
- Face/Gait/Iris Recognition/Re-Identification/Registration
- Biometric surveillance

- UAV Vision based surveillance, Tank/Drone Detection
- Crowd Analysis
- Behavior Analysis
- Cyber Security, Privacy and Trust
- Data/Information security
- Intrusion Prevention/Detection/Response, Honeypots, Malware Analysis
- Vulnerability Assessment, Trusted Computing
- Deep data fusion models
- Artificial intelligence for multi-domain operations/multi-domain command and control
- Supervised learning, reinforcement learning, and unsupervised learning.
- Deep machine vision and image processing models
- Pattern recognition and anomaly detection algorithms
- Hacking, Cyber warfare, Internet of battlefield things
- Secure Communication Protocols
- Deep Packet inspection
- Radar Imaging based Applications
- Network/Multimedia Data Forensics
- Social Network Analysis/Surveillance
- Internet Of Things, Big Data based Defence Applications
- Wireless Sensor Networks for Defence Applications
- Artificial intelligence in small arms weapon systems
- Cyber Physical Systems

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Artificial Intelligence and Machine Learning for Defense Applications on or before 1st December 2019**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Artificial Intelligence and Machine Learning for Defense Applications**] at the top (above paper title) of the first page of your paper.

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