Special Session on

Artificial Intelligence (AI) and Machine Learning (ML) based Solutions for Cybersecurity

in conjunction with

19th International Conference on Information and Assurance Security (IAS)

December 12-14, 2023

Website: http://www.mirlabs.org/ias23

Hybrid Mode – Online & Offline

Onsite Venues: http://mirlabs.org/ias23/venue2.php

Objectives and Scope

Cybersecurity is a crucial field that focuses on protecting computer systems, networks, and data from unauthorized access, use, or damage. It encompasses a wide range of challenges and requires various methods to mitigate risks and defend against cyber threats. Cybersecurity is essential for several reasons, as the digital age has brought about significant advancements in technology and connectivity. With increased reliance on computers, the internet, and interconnected devices, the need for cybersecurity has become paramount. This session will focus on various AI and ML-based solutions for cybersecurity.

Subtopics
The topics include, but are not limited to:

- Cybersecurity Frameworks and Standards
- Web Application Security
- Phishing and Social Engineering
- Malware Detection
- Encryption and Cryptography
- Multimedia Media Security
- Forgery Detection from Digital Image/Video
- Digital Watermarking
- Network Security
- Identity and Access Management
- Vulnerability Assessment and Penetration Testing
- Cloud Security
- Mobile Security
- Secure Remote Access
- Cyber Threat Intelligence Analysis
- Data Loss Prevention
- Data Breaches and Incident Reporting

- Smart Home Security
- Biometric Authentication
- IoT Device Security

Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (https://www.springer.com/series/15179)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Paper maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324
- Submission Link: http://www.mirlabs.org/ias23/submission.php

Important Dates

Paper submission due: **September 30, 2023**
Notification of paper acceptance: **October 31, 2023**
Registration and Final manuscript due: **November 10, 2023**
Conference Date: **December 13-15, 2023**

Special Session Chair(s)

- **Dr. V. M. Manikandan,** SRM University-AP, Andhra Pradesh, India
- **Dr. Renjith P,** NIT Calicut, Kerala, India

Information Contact: Dr. V. M. Manikandan <manikandanvm658@gmail.com>