

**Special Session on
Intelligent and Security Agents & its Applications (ISAA18)
at
18th International Conference on
Intelligent Systems Design and Its Applications (ISDA18)
School of Information Technology,
Vellore Institute of Technology, Vellore
December 06-08, 2018
<http://www.mirlabs.net/isda18/>**

Objectives and Scope

Artificial Intelligence and Security are playing a crucial role in recent aspects of intelligent agents. Intelligent agents are emerging rapidly as a novel paradigm including disruptive computing that emerges all the technologies in computing era. The concept of intelligent agents with security is an interdisciplinary stream that brings various domains, methodologies, concepts and tools and techniques. The challenges and security issues in the internet technologies as intelligent agents also play a lead role in the market. Research on real-time intelligent systems is of a multi-disciplinary nature, exploiting concepts from the areas as diverse as signal processing technologies, computational intelligence, location agents, data engineering, digital document processing and analysis, adhoc and mobile agents. This special session is mainly focusing on to design and develop the smart agents with intelligent tools by considering the recent technologies and also to cater the needs of the security at various levels to perform effective deliverables.

We invite high quality contributions from all research areas that address the emerging data challenges in these streams. Several topics of interest include, but are not limited to, the following:

Intelligent and Security Agents:

- Intelligent Systems
- Autonomous agents and Multiagent Systems
- Planning and Scheduling
- Heuristic Search and Optimization
- Operation Analytics
- Collaborative and Assistant Systems
- Natural Language Processing
- Neural Networks Modelling of Cognitive Functions
- Modelling Perception
- Man Machine Systems
- Multi-Model Deep Learning
- Neural Computation
- Optimization for Large Scale Data Analysis
- Algorithmic Human-Robot Interaction
- Convex Optimization

- Real Time Algorithms for Prediction and Control of Deep Neural Networks
- Block-Chain Technology
- Design of Strong Firewalls
- Forensic Security Mechanisms
- Physical and Cyber Attacks
- Smart Grid Security
- Economics of Information Security in Critical Infrastructure
- Interfaces with Cyber Control- Potential Vulnerabilities
- Theoretical Cryptographic Problems
- Provable Security of Public Key cryptography
- Security Protocol Design
- Design of Strong cryptographic algorithms
- Privacy and Security in Intelligence

Paper Publications

- Proceedings are expected to be published by:
Advances in Intelligent Systems and Computing, which is now indexed by ISI Proceedings, DBLP, Ulrich's, EI-Compendex, SCOPUS, Zentralblatt Math, MetaPress, Springerlink
- Papers maximum length is 10 pages.
- Papers must be formatted according to Springer format (Latex/word) available at: <http://www.springer.com/series/11156>

Important Dates

Paper submission due: September 30, 2018
 Notification of paper acceptance: October 15, 2018
 Registration and Final manuscript due: November 05, 2018
 Conference: December 06-08, 2018

Special Session Chairs

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