ICCMIT 2018 Madrid-Spain
International Conference on Communication, Management and Information Technology

Call for Papers on ICCMIT2018

Special Session on

Advances in Deep Learning Algorithms for Information Security (ADLIS)

Session Chair & Organizer
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Objectives and Motivation

In the age of Internet computer networks play a pivotal role in it's growth and development. Client server, P2P, VPN, CDNs communication and services provide backbone to this framework. It is under this scenario that Information Security in general and Computer Network Security in particular has significant role to play. Humongous success of the Internet based services has made both the user and the machine vulnerable to damaging exploits. Now-a-days one has to deal with security of personal computers, laptops, servers, mobile devices, smart devices etc.. The field of Information security is vast covering topics ranging from Viruses, worms, phishing attacks, Trojans, malwares, spam detection, botnets, forensics, cryptography, web security, firewalls, intrusion detection, anomaly detection and much more. Various techniques and algorithms have been developed to provide fast and accurate security solutions. Traditional statistical intrusion detection techniques are no longer suitable enough to handle big data streams of the network traffic and there is need for new algorithms to be looked into like deep learning, fuzzy, evolutionary algorithms, etc. Some of the algorithms being worked on in this field are Random Forest, AdaBoost, SVM, k-means, k-medoids, clustering, hierarchical clustering, fuzzy c-means clustering, intuitionistic fuzzy, neural learning.

In this session original scientific and technical papers are invited for following topics, but not limited to:

- Deep learning architectures
- Deep learning in DDoS, LDoS, PDoS Detection
- Deep learning in Botnet Detection
- Deep learning in Phishing and Spam Detection
- Deep NLP for Network Anomaly Detection
- Deep learning for Malware identification, analysis and similarity
- Deep learning for biasness in Social Networks
- Deep learning for Web Security
- Deep learning for Computer Forensics
- Deep learning for VPN Security
- Deep learning for CDN Security
- Deep learning for data security in mobile devices
- Deep learning for security in big data networks
- Deep learning for cloud security
- Deep learning for SDN and FoG networks

Paper Submission

All instructions and templates for submission can be found in the ICCMIT2018 website: http://www.iccmit.net/

The accepted papers will be published in ISI/SCOPUS journals. Also, the best articles will be invited to be published again after expansion as book chapter in IGI Book.

Important Dates

Paper abstract submission:	February 15, 2018
Notification of acceptance:	February 22, 2018
Final paper submission & authors camera ready:	March 7, 2018
Conference Dates:	April 2-4, 2018