

**1st International conference on
Applied Data Science and Smart
Systems-2022 (ADSSS)
4th-5th November 2022**

Call for Papers of Special Session

Important Dates:

- Last Date of Paper Submission: 20th Aug
- Notification of Acceptance: 20th Sept
- Camera Ready: 5th October
- Registration: 20th October

Publication

All accepted and registered papers of this special session will be submitted for inclusion into SCOPUS Indexed AIP conference Proceedings.

Registration

Please visit conference webpage for registration and other details:
<https://ca.chitkara.edu.in/adsss>



Session Title: Advanced Smart Computing Technologies in Cyber Security and Forensics

Session Chair: Dr. Pankaj Bhambri^a and Dr. Sita Rani^b

Affiliation: Guru Nanak Dev Engineering College, Ludhiana, Punjab, INDIA^a and Chandigarh University, Mohali, Punjab, INDIA^b

Abstract: Industrial Control Systems monitor, automate, and control complex infrastructure and processes that combine with vital industrial sectors that have a significant impact on our daily lives. With the advent of networking and automation, many systems have shifted from a dedicated and autonomous infrastructure to a centralized corporate one. Advanced cyber security and forensics techniques are combined with other technology to solve real-world problems. Additionally, it improves the security of existing solutions to make things smarter and easier to use. While this research has improved the monitoring and general management using conventional detection methods, Web Application Firewalls and Intrusion Detection Systems have exposed networks to cyber security assaults based on behavior. These assaults modify the control flow and processes and have the malevolent capacity to completely alter the operation of these systems. Sharing files and emails and storing them on cloud storage is essential as the number of enterprises utilizing the cloud across unsecure networks increases. The protection of end-user sensitive data in transit from Cloud provider personnel, hackers, and data thieves has therefore become a top responsibility. There is an immediate need for solutions for end-user data protection, privacy, and migration from one Cloud service provider to another. This proposal for a special session will address end-user data concerns and issues on the cloud and provide viable solutions, including the usage of Public Key Cryptography, Multi Factor Authentication, and Cloud-Aware apps

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

- Cyber security Governance and compliance
- Security policies, Risk analysis and management
- Cyber security for Artificial Intelligence
- Vulnerability Assessment and Penetration Testing
- Cyber security for Big Data
- Privacy and Anonymity in TOR Network
- Cyber security for Internet of Things
- Security Challenges in Blockchain Technology
- Advanced Penetration Testing
- Threat modeling and Security architectures
- Mobile Forensics
- Defense in depth, Monitoring, and real time supervision
- Safety-security interactions
- Security issues and challenges in cloud computing
- Perimeter security
- Cyber security engineering
- Web and Application Security
- Advanced Malware Forensics
- Secure communication protocols in Internet of Things
- Incident Response and Digital
- Forensics for ICS/CPS

Paper Submission Process: Please submit your paper (in word) to easyChair portal and submit the paper titles and easyChair ID to us at adsss2022@chitkara.edu.in

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Submit your special session proposal at adsss2022@chitkara.edu.in

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