

**Title:**

Security in Cloud Computing.

Abstract:

Cloud computing can provide users with on-demand computing power, storage capacity and application service capacity. It is applied in various fields such as industry, medical treatment and life services, and plays a more and more important role. With the wide application of cloud computing and the increase of data volume, cloud computing is also facing new challenges in many security aspects. There are high security risks in the traditional cloud infrastructure. The untrusted cloud storage environment increases the difficulty for users to share and retrieve private data. Various cloud applications bring the risk of privacy disclosure, and cloud computing resources are also facing serious information security problems. Cloud computing needs effective security technologies, theories and methods to meet security challenges.

This seminar aims to collect high-quality research results to solve the problems of information security and privacy protection in cloud computing, especially using innovative, efficient and reasonable methods.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Trust mechanism in cloud computing
- ✧ Cloud computing resource security
- ✧ Security prediction of cloud data
- ✧ Security monitoring in cloud platform
- ✧ Cloud workload management
- ✧ Resource allocation and data management
- ✧ Trust based task scheduling
- ✧ Cloud computing anomaly detection
- ✧ Migration security in cloud environment
- ✧ Identity management and access control in cloud computing

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Bio: Xiaolan Xie is a professor of Guilin University of technology, Dean of GLUT college of information science and engineering, and Dean of Artificial Intelligence Research Institute. Moreover, Professor Xie Xiaolan is the director of big data innovation and entrepreneurship center of Guilin University of technology, a key



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Bio: Cheng Xiaochun is a doctor at the University of Middlesex university, a member of Editorial Board of Several SCI Indexed Journals and a member of Technical Programme Committee of Several International Conferences. He published at world top rank journals (such as IEEE Transactions on Computers, Information Sciences, Theoretical Computer Science, Future Generation Computer Systems, IEEE Transactions on Industrial Informatics, IEEE Communications Magazine, IEEE Internet of Things Journal, IEEE Transactions on Fuzzy Systems) and international flagship conferences (such as IJCAI, IEEE ICC, IEEE GlobeCom, IEEE SMC). What's more, he contributed for peer reviewed 142 published journal papers, peer reviewed 139 conference papers, with five times best conference paper awards so far.

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