

Special Session for IEEE CICS 2018

Title: Computational Intelligence in Identity Ecosystem

An Identity Ecosystem is a framework where people, industries, and other system components rely on trust and security to perform various types of sensitive and confidential operations. The risk associated with the authentication and identification components are thoroughly analyzed, and a better set of metrics, rules, and policies are established to ensure the smooth transactions of all online activities. The National Strategy for Trusted Identities in Cyberspace ([NSTIC](#)) proposed this futuristic vision to support a unique platform for user identification and verification.

This session will cover all the related/contemporary research challenges, design and implementation strategies for a robust and scalable Identity Ecosystem. This session includes, but not limited to:

- Design a robust and scalable Identity Ecosystem Framework
- Develop the confidentiality/trust model to successfully identify the system's components.
- Scalable framework of Identity Ecosystem for IoT
- Application of Identity Ecosystem in the non-trustworthy cyberspace
- Adaptable framework to support fault tolerant operations of Identity Ecosystem
- Dynamic Authentication strategy to support applicability of Identity Ecosystem in current existing security framework
- Required policies and security standards for better support of privacy, convenience, and security of Identity Ecosystem.

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