Technical Seminars on Blockchains and Smart Contracts

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The Dallas Chapter of the IEEE Reliability Society in conjunction with the Department of Computer Science at the University of Texas at Dallas organized two technical seminars on July 18 at the University. The focus was on the assurance of some quality issues of blockchain and smart contracts.

The title and summary of each talk are listed below.

- **Zero Knowledge Proof for Blockchain Applications**

  Dr. Sean Pan (CEO of RFCyber Corporation)

  ![Zero Knowledge Proof for Blockchain Applications](image1)

  Dr. Liangseng Koh (CTO of RFCyber Corporation)

  ![ZK-SNARK](image2)
Summary: Zero-knowledge proof (ZKP) plays an important role in enhancing privacy and confidentiality of smart contract transactions using blockchain technology. The concept of ZKP is explained. The talk also demonstrates how to verify the information of a smart contract without revealing sensitive data.

- **Regulating Money Services Business (MSBs) – Constantly Questing More Solid, Secure, and Reliable Solutions**  
  Professor Sophia Hu  
  Baylor University

Summary: Regulating money services businesses depends on various federal and state institutions. Modern software testing techniques could benefit the regulatory system in two ways: (1) enhanced software products to support the current regulation platform, and (2) the possibility of applying relevant software testing logics to new platform designs.

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