

Blockchain Security Agenda

- Fundamental Concept of Blockchain (start at 9 AM)
 - Architecture
 - Core design
 - Shared Ledger
 - Cryptography
 - Public/Private Key
 - Hash Function
 - Wallet
 - Consensus
 - PoW
 - PoS
 - BFT
 - PoET
 - Smart Contract
- Advanced cryptographic techniques and methods
 - Multi-signatures
 - Zero-knowledge Proofs
 - Stealth Addresses
 - Other techniques
- Generalize attacks against blockchain (start at 11 AM)
 - 51% attack
 - DDoS
 - Finney attack
 - Other attacks
- Blockchain Security Details (start at 1 PM)
 - Infrastructure security
 - Node Security
 - User Security
 - Wallet design
 - Cryptography
 - Wallet considerations
 - Wallet vulnerabilities
 - Smart contract security (start at 3 PM and conclude at 5 PM)
 - Code analysis
 - Control flow analysis
 - Error handling
 - State management
 - Dynamic code analysis
 - Manual code analysis
 - Automated code analysis