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Current Projects

Information Theoretical Trust Model Framework
Utilizing Adaptive Antenna Array for Improving Security
Secure Routing in Ad hoc Networks

Other Projects

Secure Multicast Communications
Access control for group communications

- Topology-matching key management for wireless networks
- Scalable hierarchical access control using key graph
- Join-Exit scheduling for contributory group key agreement
- Attacks and protection of dynamic group membership information

Wireless Communications

- Transmit diversity techniques for wireless multicast
- Multimedia transmission over broadband wireless LAN