Domain Technologies – Wireless Networks

Faculty:
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Research Interest:
1. Mobile Ad Hoc Networks

Mobile Ad Hoc Wireless Network Architecture Design, Bandwidth Efficient Real Time Network Management and Control, Joint Power Control and Routing for Wireless Networks; Base-station-less CDMA synchronization design

2. Network Centric Operations

Network Centric Operational Design with Distributed Management and Control
Network Centric Operations: Dynamic flow models for mobility and Quality of Service of Multi-service applications; Modeling and software simulation for performance analysis.

3. Software Defined Radio Design

Software Defined Radio Design of special apparatus for efficient time critical applications

Research Facilities of The ARO Center for Battlefield Communications (CeBCom) Research


**Patents:**