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- Mobile and Wireless Ad Hoc Networks
- Sensor Networks
- Wireless Local and Personal Area Networks
- Home Networks
- Ad Hoc Networks of Autonomous Intelligent Systems
- Novel Architectures for Ad Hoc and Sensor Networks
- Self-organizing Network Architectures and Protocols
- Transport Layer Protocols
- Routing protocols (unicast, multicast, geocast, etc.)
- Media Access Control Techniques
- Error Control Schemes
- Power-Aware, Low-Power and Energy-Efficient Designs
- Synchronization and Scheduling Issues
- Security and Fault-Tolerance Issues
- Hardware and Software Platforms, Systems, and Testbeds
- Experimental and Prototype Results
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