

MAC Protocols in Wireless Sensor Networks



Presented by:
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403 SIS
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Agenda

- Goals of MAC Protocols
 - Some terminology
 - Some solutions to energy waste
- A MAC Protocol to Reduce Sensor Network Energy Consumption Using a Wakeup Radio
- An Adaptive Energy-Efficient MAC Protocol for Wireless Sensor Networks (TMAC)
- Energy-Aware TDMA-Based MAC for Sensor Networks

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Goals of MAC Protocols

- Traditional MAC protocols – maximize packet throughput, minimize latency, provide fairness.
- Sensor networks – minimize energy consumption

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