Metrics for Wireless Networked Embedded Systems
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Plethora of Wireless Sensor Network Systems Today

Metrics for Wireless Sensor Network Platforms

State-of-the-Art Platform Comparison

1. Specific Platform Analysis
   - System Core Features
   - Lack of Flexibility
   - Radio Systems Features
     - Packet oriented
     - Bitstream oriented

2. Overall Platform Comparison
   - Mica2
   - Mica2Dot
   - Tmote Sky
   - Imote
   - BNode rev3
   - Balanced computing resources
   - Multipurpose Radio

3. Interpretation
   - Platforms biased for specific niche applications

Requirement: Platform Metrics

Automated tools for the selection of appropriate architectures common in EDA community
E.g. semi-automatic design space exploration [Kuenzli2005, Anliker2004]

References:

No unified one-size-fits-all solution