CSE 494 WSN

PC

Mote

Base Station

Mote

Remote Sensor

Serial Forwarder

Your Program

1. Check frequency of operation 902 - 928 MHz.
   CC1000 Const. h.
   /opt/tinyos-1.x/tos/platform/mica2
   CC1k preset 916 0000000
2) Only one power supply should be on while programming the mote.

3) Detect if the device is not responding (while uploading).

<table>
<thead>
<tr>
<th>Programming board damaged</th>
<th>Not properly interfaced with the system (serial cable)</th>
<th>Power supply not enough to program device</th>
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<td></td>
<td>Serial straight through serial cable</td>
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</table>
3) Ensure board mote is switched off when interfacing sensor board with mote.

4) java net. tinyos.sf.Serial Forwarder.
   - comm Serial@Com1: 57600
   - 19200

Next Time Class

- "Line in the Sand" Continued.
- Wireless Integrated Network Sensors
  by G. J. Pottie & W. J. Kaiser
  ACM CACM May 2000 v(43) No. 5
- Design of a Wireless Sensor Network Platform for Detecting Rare, Random & Ephemeral Events
Objects

Soldiers
People
Vehicle

Create disturbance

Energy Fields

Optical
Chemical
Mechanical
Thermal
Magnetic
Acoustic

Sensor

Detect

Active
Passive

Phenomenology

inter foie