**Goal:** Improving the granularity of long-term activity sensing (actigraphy), using wearable nodes that adapt their energy consumption and output.

**Application:** Current monitoring of bipolar patients in psychiatry, with similar units, gives only rough level of activity.

**Our Aim:** Efficient logging of pose and activity characteristics whenever available.

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**Sleep**  
**Tilt**  
**Acceleration**

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**Microcontroller turns off accelerometers, slows clock down to 48 kHz**  
**Microcontroller turns on accelerometers, clock runs at 4 MHz**

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5 bytes @ 1 Hz  
15 bytes @ 10 Hz