

Exercise for the lecture
Wireless Sensor Networks
Summer 2016
Sheet 10

EXERCISE 12:

Assume that the power supply of a wireless sensor node is solely supplied by solar cells.

1. Discuss the influence of positioning to the solar cell. What are good positions, what are bad positions?
2. Discuss the influence of time to the function $P_c(t)$ depending on the position.
3. For which applications such a solar power supply makes sense? What are the estimated battery requirements?
4. Discuss which networking solutions fit to solar power supply (Physical layer, MAC, Routing).